

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
600								
CONTROL LOW STRENGTH FLOWABLE FILL	Concrete Ingredients							
	Portland Cement	Air Content <b>T137</b>	DOT-175	10 lbs.	QPL-3	One per Quarter, per Source, per District	Stock	
		Fineness <b>M85</b>						
		Autoclave <b>M85</b>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						
		Chemical <b>M85</b>						
	Portland Pozzolan Cement	Air Content <b>T137</b>	DOT-175					
		Fineness <b>M240</b>						
		Autoclave <b>M240</b>						
		Compressive Strength <b>M240</b>						
		Vicat <b>T131</b>						
		Chemical <b>M240</b>						
	Fly Ash	Physical & Chemical <b>ASTM C311</b>	DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District	Stock	
		Fineness <b>M295</b>						
		Activity <b>M295</b>						
		Soundness <b>M295</b>						
		Density <b>M295</b>						
		Chemical <b>M295</b>						
	Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.	Stock or Conveyor Belt	
		Sand Equivalent <b>GDT-63</b>						
		Wash 200 <b>T11</b>						
	Water	Quality of Water to be Used in Concrete <b>T26</b>	DOT-088	1 qt.*	One per unpotable Source, per month		Enough in advance so that results are known before use	*non-metal container
	Air Entrainment Admixtures	Air-Entraining Admixtures for Concrete <b>M154</b>	DOT-175	1 qt.	QPL-13	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Chemical Admixtures	Chemical Admixtures for Concrete <b>M194</b>	DOT-175	1 qt.	QPL-14	One per 6 months, per Source, per District	Ready Mix Plant Stock	

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602								
DOUBLEWALL PRECAST WALL	Precast Wall Units				QPL-9 & Plant Shipping Report (OMR-122)			
	Backfill	Theoretical Density <b>GDT-24 or GDT-7 &amp; GDT-67</b>	DOT-409		As needed to control the work			
		In-Place Density <b>GDT-21 or GDT-59</b>	DOT-553		One per day on continuous work		Completed Course	
		Gradation <b>T27</b>	DOT-658		QPL-2	As needed		
	<b>Joint Treatment</b>							
	Plastic Filter Fabric – Woven	Tensile Strength <b>ASTM D4632</b>	Certification		QPL-28			Independent Assurance: sample occasionally
		Bursting Strength <b>ASTM D3786</b>						
		Elongation <b>ASTM D4632</b>						
		Percent Open Area <b>GDT-88</b>						
	Plastic Filter Fabric – Non-Woven	Puncture Resistance <b>ASTM D4833</b>	Certification		QPL-28			Independent Assurance: sample occasionally
		Grab Tensile Strength <b>ASTM D4632</b>						
		Grab Elongation <b>ASTM D4632</b>						
		Flowrate <b>GDT-87</b>						
	Rubber Bearing Pads	Hardness <b>ASTM D2240</b>	Certification					
	Preformed Cork	Recovery <b>ASTM D1752</b>	Certification					
		Compression <b>ASTM D1752</b>						
		Extrusion <b>ASTM D1752</b>						
		HCl <b>ASTM D1752</b>						
	Bearing Pads	Dimensions	Certification		Certified By Manufacturer & inspected by Office of Materials		Before placement	
		Compression Modulus						
Shear Modulus								
Tensile Strength <b>T244</b>								
Heat Aging <b>ASTM D573</b>								
Concrete	Cylinder <b>GDT-35 &amp; T22</b>	DOT-319						
<b>Drainage</b>								

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Aggregate for Underdrain	Gradation <b>T27</b>	DOT-658		One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per 20,000 tons, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance test on materials delivered from Section D Sources.		
	Corrugated Aluminum Alloy Pipe	Diameter <b>M196M</b>	DOT-291		QPL-56 & Pre-inspected with CMPT or GDT tag			
		Depth & Spacing of Corrugations <b>M196M</b>						
		Thickness <b>M197M</b>						
		Arch Dimensions <b>M196M</b>						
		Chemical <b>M197M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
	Corrugated Steel Pipe	Diameter <b>M36M</b>	DOT-291		QPL-56 & pre-inspected with CMPT or GDT tag			
		Depth & Spacing of Corrugations <b>M36M</b>						
		Thickness <b>M36M</b>						
		Galvanization <b>M218M</b>						
	Corrugated Plastic Pipe	Diameter <b>M252M</b>	OMR-INSP-89		QPL-51			
		Depth & Spacing of Corrugations <b>M252M</b>						
		Thickness <b>M252M</b>						
		Stiffness <b>ASTM D2412</b>						
		Flattening <b>M252M</b>						
		Elongation <b>M252M</b>						
		Brittleness <b>M252M</b>						
		Flexibility <b>M252M</b>						
		Couplings <b>M252M</b>						
		Strength <b>M252M</b>						
	<b>Reinforcing Steel</b>							
	Steel Bars for Reinforcement	Number <b>M31M</b>	DOT-166	1 pc @ 24” per size	QPL-12 & QPL-61 w/Certified Mill Test Reports.	Random sampling at Fabricator	Supplier,Fabricator or Jobsite storage	
		Weight <b>M31M</b>						
		Dimensions <b>MM31</b>						
		Deformation Spacing <b>M31M</b>						
		Height & Gap <b>M31M</b>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Bend Test <b>T285</b>						
		Chemical <b>M31M</b>						
	Steel Wire for Reinforcement	Size <b>M32M</b>	Certification	1 pc @ 24” per size/dia	Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Diameter <b>M32M</b>						
		Area <b>M32M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Area Reduction <b>T244</b>						
		Bend Test <b>M32M</b>						
	Welded Steel Wire Fabric for Reinforcement	Size <b>M55M</b>	Certification	2' X 2'	QPL-55 w/Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Diameter <b>M55M</b>						
		Area <b>M55M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Area Reduction <b>T244</b>						
		Bend Test <b>M55M</b>						
		Weld Shear Strength <b>M55M</b>						
		Width <b>M55M</b>						
		Length <b>M55M</b>						
		Spacing <b>M55M</b>						
	Dowel Bars	Number <b>M31M</b>	DOT-166A		QPL-43 w/Certified Mill Test Report			*N/A for Plain Dowel Bars
		Weight <b>M31M</b>						
		Dimensions <b>M31M</b>						
		Deformation Spacing <b>M31M*</b>						
		Height & Gap <b>M31M*</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Bend Test <b>T285</b>						
		Chemical <b>M31M</b>						
		Coating <b>853.08</b>						
603								
RIP RAP	Rip Rap (Stone) from Unapproved Source	Soundness <b>T104</b> Percent Wear <b>T96</b> Petrographic <b>ASTM C295</b>				Visual Inspection		Requires approval by Pit & Quarry

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					ACCEPTANCE	QUALITY ASSURANCE			
604	Rip Rap (Stone) from Approved Source				QPL-2	Visual Inspection			
	Stone Filter Blanket	Sand Equivalent <b>GDT-63</b>	DOT-658						
		Soundness <b>T104</b>							
		Percent Wear <b>T96</b>							
		Gradation <b>T27</b>							
	Membrane Curing Compound				QPL-16 or pre- inspected by Central Lab Personnel				
	Portland Cement	Physical & Chemical Analysis <b>M85</b>	DOT-175	20 lbs.	QPL-3				
		Air Content <b>T137</b>							
		Fineness <b>M85</b>							
		Autoclave <b>M85</b>							
		Compressive Strength <b>M85</b>							
		Vicat <b>T131</b>							
		Chemical <b>M85</b>							
	Water	Physical & Chemical Analysis <b>T26</b>	DOT-088	1 qt.*	One per unpotable Source		Enough in advance so results are know before use	*non-metal container	
	Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; materials from Section D must be sampled.		Stock		
		Wash -200 <b>T11</b>							
		Portland Cement Reaction <b>GDT-5</b>							
	Plastic Filter Fabric	WovenTensile Strength <b>ASTM D4632</b>	Certification		QPL-28				
		Bursting Strength <b>ASTM D3786</b>							
		Percent Open Area <b>GDT-88</b>							
		Elongation <b>ASTM D4632</b>							
RETAINED EARTH WALL	Wall Panels		Certification		QPL-9 Plant Shipping Report (OMR-122)				

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					ACCEPTANCE	QUALITY ASSURANCE			
	Soil Reinforcing Mesh	<b>ASTM A82</b>	Certification		Pre-inspected by Central Lab Personnel & serially numbered GDT tags attached				
	Attaching Devices	<b>As Specified</b>	Certification		Certified Mill Test Report			Independent Assurance: sample occasionally	
	Concrete	Compressive Strength <b>GDT-35 &amp; T22</b>	DOT-319	2 cylinders	See <b>NOTE 1</b>		During pouring	Cylinders to be broken in Branch or Central Lab	
		<b>NOTE 1:</b> One set per each 50 yd <sup>3</sup> of each Class of Concrete placed daily for each structure, except for Concrete used in Bridge Curb, Handrail or Wall Coping. Two Concrete cylinders shall be fabricated for each cumulative 50 yd <sup>3</sup> or fraction thereof, of concrete placed per week in each structure. Cylinders shall not be fabricated at one structure to represent Concrete placed in another structure.							
		Air Content <b>GDT-26 or GDT-32</b>	DOT-168	See <b>NOTE 2</b>	When cylinders are made		Placement site	Additional Slump test will be required when Water is added on Project	
		Slump <b>GDT-27</b>							
		Mix Temperature <b>GDT-122</b>							
		<b>NOTE 2:</b> Air, Slump & Mix Temperature tests are all required when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least every third load on Bridge Deck placement.							
	Joint Fillers	<b>As Specified</b>	Certification		Certified Mill Test Report			Independent Assurance: sample occasionally	
	Granular Backfill	Physical & Chemical Analysis <b>As Specified</b>	Certification	45 lbs.	Approved by Central Lab Personnel		Prior to use	Requires approval by Pit & Quarry	
		Theoretical Density <b>GDT-24 or GDT-7</b>				As needed to control the work			
		In-Place Density <b>GDT-21 or GDT-59</b>	DOT-553		One per day on continuous work		Completed Course		
	Filter Fabric	<b>As Specified</b>	Certification		QPL-28				
605									
GEORGIA STABILIZED EMBANKMENT	Wall Panels		Certification		QPL-9 & Plant Shipping Report (OMR-122)				
	Backfill Stabilizing Mesh	<b>ASTM A82</b>	Certification		Pre-inspected by Central Lab Personnel				
	Steel Strap Connection	<b>As Specified</b>	Certification	2 @ 24" for each size	Certified Mill Test Report & sampled by Central Lab Personnel				
	Concrete	Compressive Strength <b>GDT-35 &amp; T22</b>	DOT-319	2 cylinders	See <b>NOTE 1</b>		During pouring	Cylinders to be broken in Branch or Central Lab	

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					ACCEPTANCE	QUALITY ASSURANCE			
		<b>NOTE 1:</b> One set per each 50 yd <sup>3</sup> of each Class of Concrete placed daily for each structure, except for Concrete used in Bridge Curb, Handrail or Wall Coping. Two Concrete cylinders shall be fabricated for each cumulative 50 yd <sup>3</sup> or fraction thereof, of Concrete placed per week in each structure. Cylinders shall not be fabricated at one structure to represent Concrete placed in another structure.							
		Air Content <b>GDT-26 or GDT-32</b>	DOT-168	See <b>NOTE 2</b>	When cylinders are made		Placement site	Additional Slump test will be required when Water is added on Project	
		Slump <b>GDT-27</b>							
		Mix Temperature <b>GDT-122</b>							
		<b>NOTE 2:</b> Air, Slump & Mix Temperature tests are all required when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least every third load on bridge deck placement.							
	Joint Fillers	<b>As Specified</b>	Certification		Certified Mill Test Report			Independent Assurance: sample occasionally	
	Backfill	Physical & Chemical Analysis <b>As Specified</b>		45 lbs.	Approved by Central Lab Personnel		Prior to use	Requires approval by Pit & Quarry	
		Theoretical Density <b>GDT-24 or GDT-7</b>				As needed to control the work			
		In-Place Density <b>GDT-21 or GDT-59</b>	DOT-553		One per day on continuous work		Completed Course		
	<b>607</b>								
	RUBBLE MASONRY	Masonry Stone	Percent Wear <b>T96</b>	Misc.	100 lbs.	If not on QPL-2, 1 per Source		Stock	
			Soundness <b>T104</b>						
			Visual Inspection						
Mortar Sand		Gradation <b>T27</b>	DOT-658	20 lbs.	QPL-1				
		Wash 200 <b>T11</b>							
Portland Cement		Physical & Chemical Analysis <b>M85 or M150, Type II</b>	DOT-175	20 lbs.	QPL-3				
		Air Content <b>T137</b>							
		Fineness <b>M85</b>							
		Autoclave <b>M85</b>							
		Compressive Strength <b>M85</b>							
		Vicat <b>T131</b>							
		Chemical <b>M85</b>							
Water		Physical & Chemical Analysis <b>T26</b>		1 qt.*	One per unpotable Source		Enough in advance so that results are known before use	*non-metal container	
<b>608</b>									
BRICK MASONRY	Clay or Shale Brick	Specification Requirements <b>M91, Grade MA</b>		10 Bricks	One set per 50,000 bricks, per Source		Material delivered to Project		

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	Concrete Brick	Specification Requirements <b>ASTM C55</b>		10 Bricks	One set per 50,000 bricks, per Source		Material delivered to Project	
	Brick	Size	Certification					
		Absorption <b>T32</b>						
		Compressive Strength <b>T32</b>						
	Mortar Sand	Gradation <b>T27</b>	DOT-658	20 lbs.	QPL-1		Stockpile	
		Wash 200 <b>T11</b>						
	Portland Cement	Physical & Chemical Analysis <b>M85 or M150, Type II</b>	DOT-175	20 lbs.	QPL-3			
		Air Content <b>T137</b>						
		Fineness <b>M85</b>						
		Autoclave <b>M85</b>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						
		Chemical <b>M85</b>						
	Water	Physical & Chemical Analysis <b>T26</b>	DOT-088	1 qt.*	One per unpotable Source		Enough to advance so that results are known before use	*non-metal container
<b>609</b>								
EARTH WALL REINFORCED	Wall Panels		Certification		QPL-9 & Plant Shipping Report (OMR-122)			
	Reinforcing Tie Straps		Certification	2 straps @ 24"	Certified Mill Test Report			
	Granular Backfill	Physical & Chemical Analysis <b>As Specified</b>		45 lbs.	Approved by Central Lab Personnel		Prior to use	Requires approval by Pit & Quarry
		Theoretical Density <b>GDT-21 or GDT-59</b>				As needed to control the work		
		In-Place Density <b>GDT-21 or GDT-59</b>	DOT-553		One per day on continuous work		Completed Course	
	Joint Fillers		Certification		Certified Mill Test Report			
	Concrete	Compressive Strength <b>GDT-35 &amp; T22</b>	DOT-319	2 cylinders	See <b>NOTE 1</b>		During placement operations	Cylinders to be broken in Branch or Central Lab
		<b>NOTE 1:</b> One set per each 50 yd <sup>3</sup> of each Class of Concrete placed daily for each structure, except for Concrete used in Bridge Curb, Handrail or Wall Coping. Two Concrete cylinders shall be fabricated for each cumulative 50 yd <sup>3</sup> or fraction thereof, of Concrete placed per week in each structure. Cylinders shall not be fabricated at one structure to represent Concrete placed in another structure.						
		Air Content <b>GDT-26 or GDT-32</b>	DOT-168 T152	See <b>NOTE 2</b>	When cylinders are made		During placement operations	Additional Slump tests will be required when Water is added on Project
		Slump <b>GDT-27</b>						



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		Mix Temperature <b>GDT-122</b>						
		<b>NOTE 2:</b> Air, Slump & Mix Temperature tests are all required when cylinders are made & as judged necessary to insure adequate controls.						
	Reinforcing Steel				QPL-12			
621								
CONCRETE BARRIER	<b>Concrete Ingredients Agents</b>							
	Portland Cement	Air Content <b>T137</b>	DOT-175	10 lbs.	QPL-3	One per Quarter, per Source, per District		
		Fineness <b>M85</b>						
		Autoclave <b>M85</b>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						
		Chemical <b>M85</b>						
	Portland Pozzolan Cement	Air Content <b>T137</b>	DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District		
		Fineness <b>M240</b>						
		Autoclave <b>M240</b>						
		Compressive Strength <b>M240</b>						
		Vicat <b>T131</b>						
		Chemical <b>M240</b>						
	Fly Ash	Physical & Chemical <b>ASTM C311</b>	DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District		
		Fineness <b>M295</b>						
		Activity <b>M295</b>						
		Soundness <b>M295</b>						
		Density <b>M295</b>						
		Chemical <b>M295</b>						
	Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month , per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Sand Equivalent <b>GDT-63</b>						
	Coarse	Wash 200 <b>T11</b>	DOT-658	45 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

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	Aggregate	Gradation <b>T27</b>			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month , per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Water	Quality of Water to be Used in Concrete <b>T26</b>	DOT-088	1 qt.*	One per unpotable Source, per month		Enough in advance so that results are known before use	*non-metal container
	Air Entrainment Admixtures	Air-Entraining Admixtures for Concrete <b>M154</b>		1 qt.	QPL-13	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Chemical Admixtures	Chemical Admixtures for Concrete <b>M194</b>		1 qt.	QPL-14	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Steel Bars for Reinforcement	Number <b>M31M</b>	DOT-166	1 pc @ 24" per size	QPL-12 & QPL-61 w/Certified Mill Test Reports.	Random sampling at Fabricator	Supplier,Fabricator or Jobsite storage	
		Weight <b>M31M</b>						
		Dimensions <b>M31M</b>						
		Deformation Spacing <b>M31M</b>						
		Height & Gap <b>M31M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Bend Test <b>T285</b>						
		Chemical <b>M31M</b>						
<b>Joint Fillers &amp; Sealers</b>								
	Preformed Joint Filler	<b>M153 or M213</b>	Certification	10"	QPL-20		Stock	Sample in accordance with SOP-17
	Hot Pour Joint Sealers	Penetration <b>GDT-62</b>	Certification	1 kit	Pre-inspected by Central Lab; 1 sample per shipment		Stock	
		Flow <b>GDT-62</b>						
		Resilience <b>GDT-62</b>						
		Bond <b>GDT-62</b>						
		Compatibility <b>GDT-62</b>						
	Elastomeric Polymer Type Joint Compound	Cone Penetration <b>GDT-15</b>	Certification	1 kit	Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment		Stock	
		Solubility <b>GDT-15</b>						
		Resilience <b>GDT-15</b>						
		Flow <b>GDT-15</b>						

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	Preformed Elastic Joint Sealer	Bond <b>GDT-15</b>	Certification	36"	Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment		Stock	
		Tensile Strength <b>ASTM D412</b>						
		Elongation at Break <b>ASTM D412</b>						
		Hardness <b>ASTM D2240</b>						
		Oven Aging <b>ASTM D573</b>						
		Oil Swell <b>ASTM D471</b>						
		Ozone Resistance <b>ASTM D1149</b>						
		Joint Sealer Recovery <b>GDT-47</b>						
		Compression/Deflection <b>GDT-70</b>						
	Water-Blown Urethane Joint Filler	<b>Specification 833.05</b>	Certification		Certified Mill Test Report			
	Silicone Sealant	Tensile Stress <b>ASTM D412</b>	Certification		QPL-66 <u>or</u> 1 sample per batch, per Type		Stock	
		Hardness <b>ASTM D2240</b>						
		Bond <b>GDT-106</b>						
		Tack Free Time <b>GDT-106</b>						
		Extrusion <b>GDT-106</b>						
		Non-Volatile <b>GDT-106</b>						
		Specific Gravity <b>ASTM D792</b>						
		Adhesion <b>GDT-106</b>						
		Resistance <b>ASTM C793</b>						
	Bond Breakers –Rods	Density <b>ASTM D1622</b>	Certification	6 ft	Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment		Stock	
		Tensile Strength <b>ASTM D1623</b>						
		Water Absorption <b>ASTM C1061</b>						
	Bond Breakers –Tape	Thickness	Certification		Certified Mill Test Report			
	Neoprene for Bridge Deck Joint Seal	<b>Specification 833.07</b>	Certification		Certified Mill Test Report			

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS	
					ACCEPTANCE	QUALITY ASSURANCE			
	Ethylene Propylene Diene Monomer for Bridge Deck Joint Seals	<b>Specification 833.08</b>	Certification		Certified Mill Test Report				
	Polyurethane Sealant for Inductive Loops	Hardness <b>ASTM D2240</b>	Certification		QPL-75				
		Tensile Strength <b>ASTM D412</b>							
		Elongation <b>ASTM D412</b>							
		Flexibility							
		Weather Resistance <b>ASTM D822</b>							
	Preformed Foam Joint Filler	<b>Specification 833.10</b>	Certification		Certified Mill Test Report				
	Concrete	Strength <b>GDT-35 &amp; T22</b>	DOT-319	2 cylinders	See <b>NOTE 1</b>		During placement operation	Cylinders to be tested in Branch or Central Lab	
		<b>NOTE 1:</b> One set per each 75 yd <sup>3</sup> or fraction thereof placed daily, except for Concrete barrier placed with slip form equipment. Two cylinders shall be fabricated for each 150 yd <sup>3</sup> or fraction thereof placed daily.							
		Air <b>GDT-26 or GDT-32</b>		See <b>NOTE 2</b>			During placement operation		
		Slump <b>GDT-27</b>							
		Mix Temperature <b>GDT-122</b>							
		<b>NOTE 2:</b> Air, Slump & Mix Temperature tests are required when cylinders are made & as judged necessary to insure adequate control.							
	<b>622</b>								
PRECAST TEMPORARY BARRIER	Complete Unit		Certification		QPL-9, Plant Shipping Report (OMR-122) & Official Plant Stamp				
	Portland Cement	Air Content <b>T137</b>	DOT-175		QPL-3				
		Fineness <b>M85</b>							
		Autoclave <b>M85</b>							
		Compressive Strength <b>M85</b>							
		Vicat <b>T131</b>							
		Chemical <b>M85</b>							
	Portland Pozzolan Cement	Air Content <b>T137</b>	DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District	Stock		
		Fineness <b>M240</b>							
		Autoclave <b>M240</b>							
		Compressive Strength <b>M240</b>							
		Vicat <b>T131</b>							
		Chemical <b>M240</b>							

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Fly Ash	Physical & Chemical <b>ASTM C311</b>	DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District	Stock	
		Fineness <b>M295</b>						
		Activity <b>M295</b>						
		Soundness <b>M295</b>						
		Density <b>M295</b>						
		Chemical <b>M295</b>						
	Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Sand Equivalent <b>GDT-63</b>						
	Coarse Aggregate	Wash 200 <b>T11</b>	DOT-658	45 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Gradation <b>T27</b>						
	Water	Quality of Water to be Used in Concrete <b>T26</b>	DOT-088	1 qt.*	One per unpotable Source, per month		Enough in advance so that results are known before use	*non-metal container
	Air Entrainment Admixtures	Air-Entraining Admixtures for Concrete <b>M154</b>	Certification	1 qt.	QPL-13	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Chemical Admixtures	Chemical Admixtures for Concrete <b>M194</b>	Certification	1 qt.	QPL-14	One per 6 months, per Source, per District		
	Steel Bars for Reinforcement	Number <b>M31M</b>	DOT-166	1 pc @ 24" per size	QPL-12 & QPL-61 w/Certified Mill Test Reports.	Random sampling at Fabricator	Supplier,Fabricator or Jobsite storage	
		Weight <b>M31M</b>						
		Dimensions <b>M31M</b>						
		Deformation Spacing <b>M31M</b>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS				
					ACCEPTANCE	QUALITY ASSURANCE						
		Height & Gap <i>M31M</i>										
		Tensile Strength <i>T244</i>										
		Yield Strength <i>T244</i>										
		Elongation <i>T244</i>										
		Bend Test <i>T285</i>										
		Chemical <i>M31M</i>										
	Misc. Hardware		Certification		Accepted by Project Personnel based on Visual Inspection		Stock					
	Concrete	Strength <i>GDT-35 &amp; T22</i>	DOT-319	2 cylinders	One set for each day's placement		During pouring operation	A sufficient number of cylinders shall be fabricated for determination of handling & shipping requirements				
		Air Content <i>GDT-35</i>			Air, Slump & Mix Temperature tests are made as judged necessary to insure adequate control							
		Slump <i>GDT-27</i>										
		Mix Temperature <i>GDT-122</i>										
		623										
		PNEUMATICALLY APPLIED CONCRETE		Concrete Structures								
Portland Cement	Air Content <i>T137</i>		DOT-175	10 lbs.	QPL-3	One per Quarter, per Source, per District	Stock					
	Fineness <i>M85</i>											
	Autoclave <i>M85</i>											
	Compressive Strength <i>M85</i>											
	Vicat <i>T131</i>											
	Chemical <i>M85</i>											
Portland Pozzolan Cement	Air Content <i>T137</i>		DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District	Stock					
	Fineness <i>M240</i>											
	Autoclave <i>M240</i>											
	Compressive Strength <i>M240</i>											
	Vicat <i>T131</i>											
	Chemical <i>M240</i>											
Fly Ash	Physical & Chemical <i>ASTM C311</i>		DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District	Stock					
	Fineness <i>M295</i>											
	Activity <i>M295</i>											
	Soundness <i>M295</i>											
	Density <i>M295</i>											
	Chemical <i>M295</i>											

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Coarse Aggregate	Wash 200 <b>T11</b>	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.	Stock or Conveyor Belt	
		Gradation <b>T27</b>						
	Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered form Section D Sources.	Stock or Conveyor Belt	
		Sand Equivalent <b>GDT-63</b>						
		Wash 200 <b>T11</b>						
	Water	Quality of Water to be Used in Concrete <b>T26</b>	DOT-088	1 qt.*	One per unpotable Source, per month		Enough in advance so that results are known before use	*non-metal container
	Air Entrainment Admixtures	Air-Entraining Admixtures for Concrete <b>M154</b>	Certification	1 qt.	QPL-13	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Chemical Admixtures	Chemical Admixtures for Concrete <b>M194</b>	Certification	1 qt.	QPL-14	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Deck Oil		Certification	1 qt.	QPL-23	None	Stock	
	Steel Bars for Reinforcement	Number <b>M31M</b>	DOT-166	1 pc @ 24" per size	QPL-12 & QPL-61 w/Certified Mill Test Reports.	Random sampling at Fabricator	Supplier,Fabricator or Jobsite storage	
		Weight <b>M31M</b>						
		Dimensions <b>M31M</b>						
		Deformation Spacing <b>M31M</b>						
		Height & Gap <b>M31M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Bend Test <b>T285</b>						
		Chemical <b>M31M</b>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Steel Wire for Reinforcement	Size <b>M32M</b>	Certification	1 pc @ 24" per size/dia	Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Diameter <b>M32M</b>						
		Area <b>M32M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Area Reduction <b>T244</b>						
		Bend Test <b>M32M</b>						
	Welded Steel Wire Fabric for Reinforcement	Size <b>M55M</b>	Certification	2' X 2'	QPL-55 w/Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Diameter <b>M55M</b>						
		Area <b>M55M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Area Reduction <b>T244</b>						
		Bend Test <b>M55M</b>						
		Weld Shear Strength <b>M55M</b>						
		Width <b>M55M</b>						
		Length <b>M55M</b>						
		Spacing <b>M55M</b>						
	Permanent Steel Bridge Deck Forms	<b>ASTM A446 &amp; ASTM A525</b>	Certification		Certified Mill Test Report			
	Dowel Bars	Number <b>M31M</b>	DOT-166A		QPL-43 w/Certified Mill Test Report			*N/A for Plain Dowel Bars
		Weight <b>M31M</b>						
		Dimensions <b>M31M</b>						
		Deformation Spacing <b>M31M*</b>						
		Height & Gap <b>M31M*</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Bend Test <b>T285</b>						
		Chemical <b>M31M</b>						
		Coating <b>853.08</b>						
	Damproofing or Waterproofing Membrane	Specification Requirements <b>M115, M118 or M121</b>	Certification	1 qt.	One per Type, per Source		Before application	
	Curing Agent	Specification for Liquid Membrane Curing <b>M148</b>	DOT-168 Certification		QPL-16		Stock	



TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Concrete	Compressive Strength <b>GDT-35 &amp; T22</b>	DOT-319	2 cylinders	See <b>NOTE 1</b>		During placement operations	Cylinders to be broken in Branch or Central Lab
		<b>NOTE 1:</b> One set per each 50 yd <sup>3</sup> of each Class of Concrete placed daily for each structure, except for Concrete used in Bridge Curb, Handrail or Wall Coping. Two Concrete cylinders shall be fabricated for each cumulative 50 yd <sup>3</sup> or fraction thereof, of Concrete placed per week in each structure. Cylinders shall not be fabricated at one structure to represent Concrete placed in another structure.						
		Air Content <b>GDT-26 or GDT-32</b>		See <b>NOTE 2</b>	When cylinders are made		During placement operations	Additional Slump test will be required when Water is added on Project
		Slump <b>GDT-27</b>						
		Mix Temperature <b>GDT-122</b>						
		<b>NOTE 2:</b> Air, Slump & Mix Temperature tests are all required when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least every third load on bridge deck placement.						
	Concrete for Pipe Head-Walls, Spill-ways, Slope Drains, Highway Signs Guardrails, Misc. Drainage Structures, Highway Light, Fence	Air Content <b>GDT-26 &amp; GDT-35</b>		See <b>NOTE</b>			During placement operation	
		Slump <b>GDT-27</b>						
		<b>NOTE:</b> Acceptance of Concrete for these items is based upon results of Slump & Air tests & the properly documented DOT-319. No cylinders are required. Air & Slump tests are performed as judged necessary to insure adequate control.						
	Silicone Sealant	Tensile Stress <b>ASTM D412</b>	Certification		QPL-66			
		Durometer <b>ASTM D2240</b>						
		Bond <b>GDT-106</b>						
		Tack Free Time <b>GDT-106</b>						
		Extrusion <b>GDT-106</b>						
		Non-Volatile <b>GDT-106</b>						
		Specific Gravity <b>ASTM D792</b>						
		Adhesion <b>GDT-106</b>						
		Resistance <b>ASTM C793</b>						
Epoxy Adhesive	Pot Life <b>GDT-58</b>	Certification	1 kit	QPL-15 or 1 sample, per batch, per Type		Stock		
	Bond Strength <b>GDT-58</b>							
	Shelf Life							
	Viscosity <b>ASTM D1084</b>							
	Specific Gravity							
	Condition							

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Graffiti-Proof Coating		Certification		QPL-42			
	Preformed Joint Filler	<b>M153 or M213</b>	Certification	10 in.	QPL-20		Stock	Sample in accordance with SOP-17
	Hot Poured Joint Sealer	Penetration <b>GDT-62</b>	Certification	1 kit	Pre-inspected by Central Lab; 1 sample per shipment		Stock	
		Flow <b>GDT-62</b>						
		Resilience <b>GDT-62</b>						
		Bond <b>GDT-62</b>						
		Compatibility <b>GDT-62</b>						
	Elastomeric Polymer Type Joint Compound	Cone Penetration <b>GDT-15</b>	Certification	1 kit	Pre-inspected by Central Lab & Certified Mill Test Report; 1 sample per shipment		Stock	
		Solubility <b>GDT-15</b>						
		Resilience <b>GDT-15</b>						
		Flow <b>GDT-15</b>						
		Bond <b>GDT-15</b>						
	Portland Cement	Air Content <b>T137</b>	DOT-175		QPL-3			
		Fineness <b>M85</b>						
		Autoclave <b>M85</b>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						
		Chemical <b>M85</b>						
	Fine Aggregate	Gradation <b>T27</b>	DOT-658		One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Sand Equivalent <b>GDT-63</b>						
	Coarse Aggregate	Wash 200 <b>T11</b>	DOT-658		One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Gradation <b>T27</b>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Welded Steel Wire for Reinforcement	Size <b>M55M</b>	Certification	2' X 2'	QPL-55 w/Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Diameter <b>M55M</b>						
		Area <b>M55M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Area Reduction <b>T244</b>						
		Bend Test <b>M55M</b>						
		Weld Shear Strength <b>M55M</b>						
		Width <b>M55M</b>						
		Length <b>M55M</b>						
		Spacing <b>M55M</b>						
		624						
SOUND BARRIERS	<u>Concrete Masonry Units</u>							
		Moisture Content <b>ASTM C90</b>	Certification					
		Compressive Strength <b>ASTM C90</b>						
		Water Absorption <b>ASTM C90</b>						
		<b>ASTM C129</b>		5 blocks	One set per 25,000 blocks, per size, per Source		Stock	
	Portland Cement	Air Content <b>T137</b>	DOT-175		QPL-3			
		Fineness <b>M85</b>						
		Autoclave <b>M85</b>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						
		Chemical <b>M85</b>						
	Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Sand Equivalent <b>GDT-63</b>						
	Coarse	Wash 200 <b>T11</b>	DOT-658	45 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Aggregates	Gradation <b>T27</b>			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Steel Panels	Thickness <b>ASTM A446</b>	Certification		Certified Mill Test Report			
		Yield Strength <b>T244</b>						
		Tensile Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Chemical <b>ASTM A653</b>						
		Galvanization <b>ASTM A653</b>						
		Bend Test <b>ASTM A653</b>						
		Flatness <b>ASTM A653</b>						
	Steel Posts	<b>ASTM A36</b>	Certification		Pre-inspected by Office of Materials & GDT stamped			
	<b>Precast Concrete Panels</b>							
	Portland Cement	Air Content <b>T137</b>	DOT-175		QPL-3			
		Fineness <b>M85</b>						
		Autoclave <b>M85</b>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						
		Chemical <b>M85</b>						
	Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Sand Equivalent <b>GDT-63</b>						
	Coarse	Wash 200 <b>T11</b>	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Aggregate	Gradation <b>T27</b>			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Steel Bars for Reinforcement	Number <b>M31M</b>	DOT-166	1 pc @ 24" per size	QPL-12 & QPL-61 w/Certified Mill Test Reports.	Random sampling at Fabricator	Supplier,Fabricator or Jobsite storage	
		Weight <b>M31M</b>						
		Dimensions <b>M31M</b>						
		Deformation Spacing <b>M31M</b>						
		Height & Gap <b>M31M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Bend Test <b>T285</b>						
		Chemical <b>M31M</b>						
	Steel Wire for Reinforcement	Size <b>M32M</b>	Certification	1 pc @ 24" per size/dia	Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Diameter <b>M32M</b>						
		Area <b>M32M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Area Reduction <b>T244</b>						
		Bend Test <b>M32M</b>						
	Galvanized Steel Piling	Thickness	Certification		QPL-44 & pre-inspected by Office of Materials with GDT stamp			
		Dimensions						
		Chemical						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Weight						
		Certification						
		Charpy <b>ASTM E23</b>						
		Hardness						
		Galvanization <b>M111</b>						
	Weathering Steel Piling	Thickness	Certification		QPL-44 w/Certified Mill Test Report			
		Dimensions						
		Chemical <b>ASTM A588</b>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS	
					ACCEPTANCE	QUALITY ASSURANCE			
		Tensile Strength <b>T244</b>							
		Yield Strength <b>T244</b>							
		Elongation <b>T244</b>							
		Weight							
		Certification							
		Charpy <b>ASTM E23</b>							
	Elastomeric Bearing Pads	Hardness <b>ASTM D2240</b>	Certification		Certified Mill Test Report				
		Tensile Strength <b>ASTM D412</b>							
		Elongation <b>ASTM D412</b>							
		Heat Resistance <b>ASTM D573</b>							
		Compression Set <b>ASTM D395</b>							
		Brittleness <b>ASTM D746</b>							
		Dimensions							
		Laminate Thickness							
		Tensile Strength <b>M183</b>							
		Yield Strength <b>M183</b>							
		Elongation <b>M183</b>							
		<b>Treated Timber Panels</b>							
	Portland Cement	Air Content <b>T137</b>	DOT-175						
		Fineness <b>M85</b>							
		Autoclave <b>M85</b>							
		Compressive Strength <b>M85</b>							
		Vicat <b>T131</b>							
		Chemical <b>M85</b>							
	Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.			
		Sand Equivalent <b>GDT-63</b>							
	Coarse	Wash 200 <b>T11</b>	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1			

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Aggregate	Gradation <b>T27</b>			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Treated Timber	Certification	Certification		Pre-inspected by authorized agency with AWW stamp			
	Bolts & Washers	Certification	Certification		Certified Mill Test Report			
	Pile	Certification	Certification					
<b>Masonry Coated Polystyrene Panels</b>								
		<i>As Specified</i>	Certification		Certified Mill Test Report & inspected by Central Lab Personnel			
Welded Steel Wire Fabric for Reinforcement		Size <b>M55M</b>	Certification	2' X 2'	QPL-55 w/Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Diameter <b>M55M</b>						
		Area <b>M55M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Area Reduction <b>T244</b>						
		Bend Test <b>M55M</b>						
		Weld Shear Strength <b>M55M</b>						
		Width <b>M55M</b>						
		Length <b>M55M</b>						
		Spacing <b>M55M</b>						
Foam		Density	Certification					
		Thickness						
Portland Cement		Air Content <b>T137</b>	DOT-175		QPL-3			
		Fineness <b>M85</b>						
		Autoclave <b>M85</b>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						
		Chemical <b>M85</b>						
Fine Aggregate		Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons	QPL-1 Sources, 1		

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Sand Equivalent <b>GDT-63</b>			based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Protective Color Coating	<b>As Specified</b>	Certification	1 gal.	QPL-17			
	Other Wall Types	Certification	Certification					
<b>626</b>								
MECHANICALLY STABILIZED EMBANKMENT RETAINING WALLS	Reinforcing Strips	Charpy <b>ASTM E23</b>	Certification		Certified Mill Test Report			
		Dimensions						
		Yield Strength <b>ASTM A709</b>						
		Tensile Strength <b>ASTM A709</b>						
		Elongation <b>ASTM A709</b>						
		Reduction of Area <b>ASTM A709</b>						
		Hardness <b>ASTM A709</b>						
		Chemical <b>ASTM A709</b>						
	Reinforcing Mesh	Size <b>ASTM A185</b>	Certification		Certified Mill Test Report			
		Diameter <b>ASTM A185</b>						
		Area <b>ASTM A185</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Area Reduction <b>T244</b>						
		Bend Test <b>ASTM A185</b>						
		Weld Shear Strength <b>ASTM A185</b>						
		Width <b>ASTM A185</b>						
		Length <b>ASTM A185</b>						
		Spacing <b>ASTM A185</b>						
	Connecting Devices	<b>As Specified</b>	Certification		Certified Mill Test Report			Independent Assurance: sample occasionally
	Fasteners	Chemical <b>ASTM A325</b>	Certification					



TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS	
					ACCEPTANCE	QUALITY ASSURANCE			
		Yield Strength <b>ASTM A325</b>							
		Tensile Strength <b>ASTM A325</b>							
		Elongation <b>ASTM A325</b>							
		Reduction of Area <b>ASTM A325</b>							
		Hardness <b>ASTM A325</b>							
		Length							
		Diameter							
		Thread Class							
		Galvanization <b>ASTM A153</b>							
	Attachments	Size <b>ASTM A82</b>	Certification		Certified Mill Test Report				
		Diameter <b>ASTM A82</b>							
		Area <b>ASTM A82</b>							
		Tensile Strength <b>T244</b>							
		Yield Strength <b>T244</b>							
		Area Reduction <b>T244</b>							
		Bend Test <b>ASTM A82</b>							
		Galvanization <b>ASTM A123</b>							
		<b>Concrete</b>							
		Compressive Strength <b>GDT-35 &amp; T22</b>	DOT-319	2 cylinders			During placement operations	Cylinders to be broken in Branch or Central Lab	
	Portland Cement	Air Content <b>T137</b>	DOT-175		QPL-3				
Fineness <b>M85</b>									
Autoclave <b>M85</b>									
Compressive Strength <b>M85</b>									
Vicat <b>T131</b>									
	Chemical <b>M85</b>								
Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.				
	Sand Equivalent <b>GDT-63</b>								
Coarse	Wash 200 <b>T11</b>	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1				

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Aggregate	Gradation <b>T27</b>			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
<b>Joint Fillers</b>								
	Plastic Filter Fabric - Woven	Tensile Strength <b>ASTM D4632</b>	Certification		QPL-28			
		Bursting Strength <b>ASTM D3786</b>						
		Elongation <b>ASTM D4632</b>						
		Percent Open Area <b>GDT-88</b>						
	Plastic Filter Fabric – Non-Woven	Puncture Resistance <b>ASTM D4833</b>	Certification		QPL-28			
		Grab Tensile Strength <b>ASTM D4632</b>						
		Grab Elongation <b>ASTM 4632</b>						
		Flowrate <b>GDT-87</b>						
	Bearing Pads	Dimensions	Certification					
		Hardness <b>ASTM D2240</b>						
	Granular Backfill	Physical & Chemical Analysis <b>As Specified</b>	DOT-658		Approved by Central Lab Personnel		Prior to use	Requires approval by Pit & Quarry
	Coating for Soil Reinforcing Devices	Determination of Zinc Coating Thickness Gauge <b>GDT-82</b>	Certification					*Marginal failing results from Thickness Gauge, submit sample for further analysis. Sampled by Independent Assurance Personnel.
		Epoxy Coated Systems						Sample in accordance with SOP-17
	Wall Panels				QPL-9, Plant Shipping Report (OMR-122) & Official Plant Stamp			

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
MODIFICATION OF EXISTING SIGNS	Signs	Certification	DOT-72		QPL-80 w/sign producers approval decal on back of sign			
	Aluminum Sign Blanks	Chemical <b>ASTM B209</b>	Certification		Certified Mill Test Report			
		Thickness						
		Dimensions						
		Shape						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Bend Diameter Factor <b>ASTM B209</b>						
		Hardness <b>ASTM B241</b>						
		Shear Strength <b>ASTM B565</b>						
	<b>Extruded Aluminum Sign Panels</b>							
		Chemical <b>ASTM B221</b>	Certification		Certified Mill Test Report			
		Thickness						
		Dimensions						
		Tensile Strength <b>ASTM B557</b>						
		Yield Strength <b>ASTM B557</b>						
		Elongation <b>ASTM B557</b>						
		Shape						
	Accessories	Chemical	Certification		Certified Mill Test Report			
		Length						
		Thread Grade						
		Yield Strength <b>T244</b>						
		Tensile Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Reduction of Area <b>T244</b>						
		Hardness						
	Reflective Sheeting	Specific Intensity <b>M268</b>	Certification		QPL-29			
		Weatherometer <b>ASTM G23</b>						
		Color <b>M268</b>						
	Silk Screen Paint	Color	Certification		Certified Mill Test Report			
		Dry Time						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
Steel Sign Posts	Steel Sign Posts	Certification	Certification		QPL-35			
		Thickness <b>Section 911.01</b>						
		Dimensions <b>Section 911.01</b>						
		Chemical <b>Section 911.01</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Weight <b>Section 911.01</b>						
		Certification						
		Hardness <b>ASTM A370</b>						
		Galvanization <b>Section 911.01</b>						
		Bolt Hole Size & Spacing <b>Section 911.01</b>						
Structural Shape Post	Structural Shape Post	Charpy <b>ASTM E23</b>	Certification		QPL-59 & pre-inspected by Office of Materials & GDT stamped			
		Thickness						
		Yield Strength <b>T244</b>						
		Tensile Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Reduction of Area <b>T244</b>						
		Hardness <b>ASTM A370</b>						
		Chemical <b>ASTM A709</b>						
		Galvanization <b>ASTM A123</b>						
Aluminum Delineator Post	Aluminum Delineator Post	Chemical <b>ASTM B221</b>	Certification		Certified Mill Test Report			
		Thickness <b>As Specified</b>						
		Dimensions <b>As Specified</b>						
		Tensile Strength <b>ASTM B557</b>						
		Yield Strength <b>ASTM B557</b>						
		Elongation <b>ASTM B557</b>						
		Bolt Hole Size & Spacing <b>Section 911.04.B.2</b>						
Wood Delineator Post	Wood Delineator Post	Dimensions	Certification		QPL-50 & pre-inspected by Authorized Agency with AWW stamp			
		Grade						
		Preservative Treatment						
		Certification						
Flexible Delineator Post	Flexible Delineator Post	Dimensions <b>Section 911.04.D</b>	Certification		QPL-69			

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		NTPEP Certification <i>Section 911.04.D</i>						
		Impact Test <i>Section 911.04.D</i>						
	Steel Posts & Arms for Mast Arm Assembly	Chemical <i>ASTM A53</i>	Certification		QPL-52 & pre-inspected by Office of Materials & GDT stamped			
		Yield Strength <i>T244</i>						
		Tensile Strength <i>T244</i>						
		Elongation <i>T244</i>						
		Bending <i>ASTM A53</i>						
		Flattening <i>ASTM A53</i>						
		Non-Destructive Electric Test <i>ASTM A53</i>						
		Weight						
		Diameter						
		Thickness						
		Finish						
		Appearance						
	Misc. Fittings	Specification Requirements	Certification				Stock	
	Steel Bolts, Nuts & Washers	Chemical <i>ASTM F568</i>	Certification		Certified Mill Test Report			
		Yield Strength <i>ASTM F606</i>						
		Tensile Strength <i>ASTM F606</i>						
		Elongation <i>ASTM F606</i>						
		Reduction of Area <i>ASTM F606</i>						
		Hardness <i>ASTM F606</i>						
		Length						
		Diameter						
		Thread Class						
		Galvanization <i>ASTM A90 or ASTM E376</i>						
	Guy Wires	Diameter <i>ASTM A475</i>	Certification		QPL-72			
		Number of Wires <i>ASTM A475</i>						
		Weight <i>ASTM A475</i>						
		Breaking Strength <i>ASTM A475</i>						
		Elongation <i>ASTM A475</i>						
		Galvanization <i>ASTM A475</i>						
		Ductility <i>ASTM A475</i>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Center Mount Reflector	Seal Test <b>Section 916</b>	Certification	50 of ea. color	QPL-83			
		Heat Resistance <b>Section 916</b>						
		Specific Intensity <b>Section 916</b>						
	Demountable Reflective Characters	Chemical	Certification		QPL-80			
		Thickness						
		Dimensions						
		Shape						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Bend Diameter Factor <b>ASTM B209</b>						
		Hardness <b>ASTM B241</b>						
	Shear Strength <b>ASTM B565</b>							
	<b>Piling</b>							
	Prestressed Concrete		Certification		QPL-9, Plant Shipping Report (OMR-122) & Official Plant Stamp; Visual Inspection by Project Personnel			
	Treated Timber Piles	Certification	Certification		QPL-50, pre- inspected by Authorized Agency & AWW Stamp			
	Preservative Treatment	Certification	Certification		QPL-50 & pre- inspected by Authorized Agency			
	Aluminum Powder	Fineness <b>ASTM D480</b>	Certification					
	Self- Lubricating Bronze Bearing & Expansion Plates & Bushings	Certification	Certification		Certified Mill Test Report			

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Paint	Pigment <i>ASTM D2371</i>	Certification	1 qt.	Approved by Office of Materials			
		Non-Volatile Vehicle						
		Grind						
		Viscosity <i>ASTM D562</i>						
		Dry Time <i>ASTM D711</i>						
		Percent Volatile						
		Weight per Gallon <i>ASTM D1475</i>						
		Color						
		Certification						
	Welded & Seamless Steel Pile	Thickness	Certification		QPL-44 & Certified Mill Test Report			
		Chemical <i>ASTM A252</i>						
		Tensile Strength <i>T244</i>						
		Yield Strength <i>T244</i>						
		Elongation <i>T244</i>						
		Diameter						
		Weight						
		Certification						
	Fluted Steel Shell Pile	Thickness	Certification		QPL-44 & Certified Mill Test Report			
		Diameter						
		Yield Strength <i>T244</i>						
		Certification						
	Steel H-Pile	Charpy <i>ASTM E23</i>	Certification		QPL-44 & Certified Mill Test Report			
		Thickness						
		Yield Strength <i>ASTM A370</i>						
		Tensile Strength <i>ASTM A370</i>						
		Elongation <i>ASTM A370</i>						
		Reduction of Area <i>ASTM A370</i>						
		Hardness <i>ASTM A370</i>						
		Chemical <i>ASTM A709</i>						
		Certification						
	Steel Bolts, Nuts & Washers	Chemical <i>ASTM F568</i>	Certification		Certified Mill Test Report			
		Yield Strength <i>ASTM F606</i>						
		Tensile Strength <i>ASTM F606</i>						
		Elongation <i>ASTM F606</i>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS	
					ACCEPTANCE	QUALITY ASSURANCE			
		Reduction of Area <i>ASTM F606</i>							
		Hardness <i>ASTM F606</i>							
		Length							
		Diameter							
		Thread Class							
		Galvanization <i>ASTM A90 or ASTM E376</i>							
	Aluminum Alloy Sheet & Plate	Chemical	Certification		Certified Mill Test Report				
		Thickness							
		Dimensions							
		Tensile Strength <i>T244</i>							
		Yield Strength <i>T244</i>							
		Elongation <i>T244</i>							
		Bend Diameter Factor <i>ASTM B209</i>							
		Hardness <i>ASTM B241</i>							
	Shear Strength <i>ASTM B565</i>								
	<b>Concrete</b>								
		Compressive Strength <i>T22</i>	DOT-319	2 cylinders			During placement operations	Cylinders to be broken in Branch or Central Lab	
	Portland Cement	Air Content <i>T137</i>	DOT-175		QPL-3				
		Fineness <i>M85</i>							
		Autoclave <i>M85</i>							
		Compressive Strength <i>M85</i>							
		Vicat <i>T131</i>							
		Chemical <i>M85</i>							
	Fine Aggregate	Gradation <i>T27</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.			
		Sand Equivalent <i>GDT-63</i>							
	Coarse	Wash 200 <i>T11</i>	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1			



TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS					
					ACCEPTANCE	QUALITY ASSURANCE							
	Aggregate	Gradation <b>T27</b>	Certification	1 qt.	based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.							
	Paints	Pigment <b>ASTM D2371</b>											
		Non-Volatile Vehicle											
		Grind											
		Viscosity <b>ASTM D562</b>											
		Dry Time <b>ASTM D711</b>											
		Percent Volatile											
		Weight per Gallon <b>ASTM D1475</b>											
		Color											
		Certification											
	634												
	MONUMENTS & ROAD MARKERS	Concrete Right-of-way Markers					Certification	Certification		QPL-4 with CPT stamp or pre- inspected by Office of Materials with GDT stamp			
<b>Concrete</b>													
		Compressive Strength <b>T22</b>	DOT-319	2 cylinders			During placement operations	Cylinders to be broken in Branch or Central Lab					
Portland Cement		Air Content <b>T137</b>	DOT-175		QPL-3								
		Fineness <b>M85</b>											
		Autoclave <b>M85</b>											
		Compressive Strength <b>M85</b>											
	Vicat <b>T131</b>												
	Chemical <b>M85</b>												
Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons	QPL-1 Sources, 1								

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Sand Equivalent <b>GDT-63</b>			based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse Aggregate	Wash 200 <b>T11</b>	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Gradation <b>T27</b>						
	Steel Bars for Reinforcement	Number <b>M31M</b>	DOT-166	1 pc @ 24" per size	QPL-12 & QPL-61 w/Certified Mill Test Reports.	Random sampling at Fabricator	Supplier,Fabricator or Jobsite storage	
		Weight <b>M31M</b>						
		Dimensions <b>M31M</b>						
		Deformation Spacing <b>M31M</b>						
		Height & Gap <b>M31M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Bend Test <b>T285</b>						
		Chemical <b>M31M</b>						
	Plates & Arrows, etc.				Job inspected (no sample or report required)			
<b>635</b>								
BARRICADES	Lumber & Posts							
	Lumber & Timber	Certification	Certification		QPL-50 & pre-inspected by Authorized Agency with AWW stamp			
	Preservative Treatment	Certification	Certification		QPL-50 & pre-inspected by Authorized Agency			
	Paints	Pigment <b>ASTM D2371</b>	Certification	1 qt.	Approved by Office of Materials			

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Non-Volatile Vehicle						
		Grind						
		Viscosity <i>ASTM D562</i>						
		Dry Time <i>ASTM D711</i>						
		Percent Volatile						
		Weight per Gallon <i>ASTM D1475</i>						
		Color						
		Certification						
	Reflective Sheeting	Specific Intensity <i>M268</i>	Certification		QPL-29			
		Weatherometer <i>ASTM G23</i>						
Color <i>M268</i>								
636								
HIGHWAY SIGNS	Signs	Certification	DOT-72		QPL-80 w/sign producers approval decal on back of sign			
	Aluminum Sign Blanks	Chemical <i>ASTM B209</i>	Certification		Certified Mill Test Report			
		Thickness						
		Dimensions						
		Shape						
		Tensile Strength <i>T244</i>						
		Yield Strength <i>T244</i>						
		Elongation <i>T244</i>						
		Bend Diameter Factor <i>ASTM B209</i>						
		Hardness <i>ASTM B241</i>						
		Shear Strength <i>ASTM B565</i>						
	<u>Extruded Aluminum Sign Panels</u>							
		Chemical <i>ASTM B221</i>	Certification		Certified Mill Test Report			
		Thickness						
		Dimensions						
		Tensile Strength <i>ASTM B557</i>						
		Yield Strength <i>ASTM B557</i>						
		Elongation <i>ASTM B557</i>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Accessories	Shape	Certification		Certified Mill Test Report			
		Chemical						
		Length						
		Thread Grade						
		Yield Strength <b>T244</b>						
		Tensile Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Reduction of Area <b>T244</b>						
		Hardness						
	Reflective Sheeting	Specific Intensity <b>M268</b>	Certification		QPL-29			
		Weatherometer <b>ASTM G23</b>						
		Color <b>M268</b>						
	Silk Screen Paint	Color	Certification		Certified Mill Test Report			
		Dry Time						
		Certification						
	Steel Sign Posts	Thickness <b>Section 911.01</b>	Certification		QPL-35			
		Dimensions <b>Section 911.01</b>						
		Chemical <b>Section 911.01</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Weight <b>Section 911.01</b>						
		Certification						
		Hardness <b>ASTM A370</b>						
		Galvanization <b>Section 911.01</b>						
		Bolt Hole Size & Spacing <b>Section 911.01</b>						
	Structural Shape Post	Charpy <b>ASTM E23</b>	Certification		QPL-59 & pre-inspected by Office of Materials & GDT stamped			
		Thickness						
		Yield Strength <b>T244</b>						
		Tensile Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Reduction of Area <b>T244</b>						
		Hardness <b>ASTM A370</b>						
		Chemical <b>ASTM A709</b>						
		Galvanization <b>ASTM A123</b>						
	Aluminum Delineator Post	Chemical <b>ASTM B221</b>	Certification		Certified Mill Test Report			
		Thickness <b>As Specified</b>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Dimensions <i>As Specified</i>						
		Tensile Strength <i>ASTM B557</i>						
		Yield Strength <i>ASTM B557</i>						
		Elongation <i>ASTM B557</i>						
		Bolt Hole Size & Spacing <i>Section 911.04.B.2</i>						
	Wood Delineator Post	Dimensions	Certification		QPL-50 & pre-inspected by Authorized Agency with AWW stamp			
		Grade						
		Preservative Treatment						
		Certification						
	Flexible Delineator Post	Dimensions <i>Section 911.04.D</i>	Certification		QPL-69			
		NTPEP Certification <i>Section 911.04.D</i>						
		Impact Test <i>Section 911.04.D</i>						
	Steel Posts & Arms for Mast Arm Assembly	Chemical <i>ASTM A53</i>	Certification		QPL-52 & pre-inspected by Office of Materials & GDT stamped			
		Yield Strength <i>T244</i>						
		Tensile Strength <i>T244</i>						
		Elongation <i>T244</i>						
		Bending <i>ASTM A53</i>						
		Flattening <i>ASTM A53</i>						
		Non-Destructive Electric Test <i>ASTM A53</i>						
		Weight						
		Diameter						
		Thickness						
		Finish						
		Appearance						
	Misc. Fittings	Specification Requirements					Stock	
	Steel Bolts, Nuts & Washers	Chemical <i>ASTM F568</i>	Certification		Certified Mill Test Report			
		Yield Strength <i>ASTM F606</i>						
		Tensile Strength <i>ASTM F606</i>						
		Elongation <i>ASTM F606</i>						
		Reduction of Area <i>ASTM F606</i>						
		Hardness <i>ASTM F606</i>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Length						
		Diameter						
		Thread Class						
		Galvanization <i>ASTM A90 or ASTM E376</i>						
	Guy Wires	Diameter <i>ASTM A475</i>	Certification		QPL-72			
		Number of Wires <i>ASTM A475</i>						
		Weight <i>ASTM A475</i>						
		Breaking Strength <i>ASTM A475</i>						
		Elongation <i>ASTM A475</i>						
		Galvanization <i>ASTM A475</i>						
		Ductility <i>ASTM A475</i>						
	Center Mount Reflector	Seal Test <i>Section 916</i>	Certification	50 of ea. color	QPL-83			
		Heat Resistance <i>Section 916</i>						
		Specific Intensity <i>Section 916</i>						
	Demountable Reflective Characters	Chemical	Certification		QPL-80			
		Thickness						
		Dimensions						
		Shape						
		Tensile Strength <i>T244</i>						
		Yield Strength <i>T244</i>						
		Elongation <i>T244</i>						
		Bend Diameter Factor <i>ASTM B209</i>						
		Hardness <i>ASTM B241</i>						
		Shear Strength <i>ASTM B565</i>						
<b>Piling</b> Prestressed Concrete		Certification		QPL-9, Plant Shipping Report (OMR-122)& Official Plant Stamp; Visual Inspection by Project Personnel				

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Treated Timber Piles	Certification	Certification		QPL-50, pre- inspected by Authorized Agency & AWW Stamp			
	Preservative Treatment	Certification	Certification		QPL-50 & Pre- inspected by Authorized Agency			
	Aluminum Powder	Fineness <b>ASTM D480</b>	Certification					
	Self- Lubricating Bronze Bearing & Expansion Plates & Bushings	Certification	Certification		Certified Mill Test Report			
	Paint	Pigment <b>ASTM D2371</b>	Certification	1 qt.	Approved by Office of Materials			
		Non-Volatile Vehicle						
		Grind						
		Viscosity <b>ASTM D562</b>						
		Dry Time <b>ASTM D711</b>						
		Percent Volatile						
		Weight per Gallon <b>ASTM D1475</b>						
		Color						
		Certification						
	Welded & Seamless Steel Pile	Thickness	Certification		QPL-44 & Certified Mill Test Report			
		Chemical <b>ASTM A252</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Diameter						
		Weight						
		Certification						
	Fluted Steel Shell Pile	Thickness	Certification		QPL-44 & Certified Mill Test Report			
		Diameter						
		Yield Strength <b>T244</b>						
		Certification						
	Steel H-Pile	Charpy <b>ASTM E23</b>	Certification		QPL-44 & Certified Mill Test Report			
		Thickness						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Yield Strength <b>ASTM A370</b>						
		Tensile Strength <b>ASTM A370</b>						
		Elongation <b>ASTM A370</b>						
		Reduction of Area <b>ASTM A370</b>						
		Hardness <b>ASTM A370</b>						
		Chemical <b>ASTM A709</b>						
		Certification						
	Steel Bolts, Nuts & Washers	Chemical <b>ASTM F568</b>	Certification		Certified Mill Test Report			
		Yield Strength <b>ASTM F606</b>						
		Tensile Strength <b>ASTM F606</b>						
		Elongation <b>ASTM F606</b>						
		Reduction of Area <b>ASTM F606</b>						
		Hardness <b>ASTM F606</b>						
		Length						
		Diameter						
		Thread Class						
		Galvanization <b>ASTM A90 or ASTM E376</b>						
		Aluminum Alloy Sheet & Plate		Chemical		Certification		Certified Mill Test Report
	Thickness							
	Dimensions							
	Tensile Strength <b>T244</b>							
	Yield Strength <b>T244</b>							
	Elongation <b>T244</b>							
	Bend Diameter Factor <b>ASTM B209</b>							
	Hardness <b>ASTM B241</b>							
	Shear Strength <b>ASTM B565</b>							
	Concrete	Air Content <b>GDT-26 or GDT-32</b> Slump <b>GDT-27</b> Mix Temperature <b>GDT-122</b>	DOT-319	See Note			During placement operations	
		<b>NOTE:</b> Acceptance of Concrete for these items is based upon results of Slup & Air Tests & the properly documented DOT-319. No cylinders are required. Slump, Air & Mix Temp. tests are performed as judged necessary to insure adequate control.						
	Portland	Air Content <b>T137</b>	DOT-175		QPL-3			



TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Cement	Fineness <i>M85</i>						
		Autoclave <i>M85</i>						
		Compressive Strength <i>M85</i>						
		Vicat <i>T131</i>						
		Chemical <i>M85</i>						
	Fine Aggregate	Gradation <i>T27</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Sand Equivalent <i>GDT-63</i>						
	Coarse Aggregate	Wash 200 <i>T11</i>	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Gradation <i>T27</i>						
	Paints	Pigment <i>ASTM D2371</i>	Certification	1 qt.	Approved by Office of Materials			
		Non-Volatile Vehicle						
		Grind						
		Viscosity <i>ASTM D562</i>						
		Dry Time <i>ASTM D711</i>						
		Percent Volatile						
		Weight per Gallon <i>ASTM D1475</i>						
		Color						
		Certification						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
ILLUMINATED SIGN SYSTEM	Signs	Certification	DOT-72		QPL-80 w/sign producers approval decal on back of sign			
	Lighting	Light Intensity			Notify Office of Materials for night check of light intensity		After Installation	
638								
STRUCTURAL SUPPORTS FOR OVERHEAD SIGNS	Structures	Certification	Certification		QPL-52 & pre-inspected by Office of Materials & GDT stamped			
	Steel Pipe	Chemical <b>ASTM A53</b>	Certification		Certified Mill Test Report			
		Yield Strength <b>T244</b>						
		Tensile Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Bending <b>ASTM A53</b>						
		Flattening <b>ASTM A53</b>						
		Non-Destructive Electric Test <b>ASTM A53</b>						
		Weight						
		Diameter						
		Thickness						
		Finish						
		Appearance						
		Galvanization <b>ASTM A123</b>						
	Steel Bolts, Nuts & Washers	Chemical <b>ASTM F568</b>	Certification		Certified Mill Test Report			
		Yield Strength <b>ASTM F606</b>						
		Tensile Strength <b>ASTM F606</b>						
		Elongation <b>ASTM F606</b>						
		Reduction of area <b>ASTM F606</b>						
		Hardness <b>ASTM F606</b>						
		Length						
		Diameter						
		Thread Class						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Anchor Bolts	Galvanization <b>ASTM A90 or ASTM E376</b>	Certification	1 bolt per diameter, per Heat Number, per Project	Pre-inspected by Office of Materials & GDT stamped.	Supplier		
		Grade <b>M314</b>						
		Yield strength <b>T244</b>						
		Tensile Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Reduction of Area <b>T244</b>						
		Thread Dimensions						
		Size						
		Diameter						
		Length						
		Chemical <b>M314</b>						
		Galvanization <b>ASTM A153</b>						
	Concrete	Compressive Strength <b>GDT-35 &amp; T22</b>	DOT-319	2 cylinders	See NOTE 1		During placement operations	
		<b>NOTE 1:</b> One set per each 50 yd <sup>3</sup> of each Class of Concrete placed daily.						
		Air Content <b>GDT-26 or GDT-32</b> Slump <b>GDT-27</b> Mix Temperature <b>GDT-122</b>	DOT-319	See NOTE 2	When cylinders are made		During placement operations	Additional Slump tests will be required when Water is added on Project
		<b>NOTE 2:</b> Air, Slump & Mix Temp. tests are all required when cylinders are made & as judged necessary to insure adequate controls.						
	Portland Cement	Air Content <b>T137</b>	DOT-175					
		Fineness <b>M85</b>						
		Autoclave <b>M85</b>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						
		Chemical <b>M85</b>						
	Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Sand Equivalent <b>GDT-63</b>						
	Coarse	Wash 200 <b>T11</b>	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Aggregate	Gradation <b>T27</b>			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Silicone Sealant	Tensile Strength <b>ASTM D412</b>	Certification					
		Durometer <b>ASTM D2240</b>						
		Bond <b>GDT-106</b>						
		Tack Free Time <b>GDT-106</b>						
		Extrusion <b>GDT-106</b>						
		Non-Volatile <b>GDT-106</b>						
		Specific Gravity <b>ASTM D792</b>						
		Adhesion <b>GDT-106</b>						
		Resistance <b>ASTM C793</b>						
	Reinforcement	<b>M31M</b>	DOT-166		QPL-12 & QPL-61 w/Certified Mill Test Report			
639								
STRAIN POLE FOR OVERHEAD SIGN & SIGNAL ASSEMBLIES	Timber Poles	Retention of Preservative AWPA <b>C14</b>	Certification		QPL-50 & pre-inspected by Authorized Agency with AWW stamp on each end of pole			
	Guy Wires	Diameter <b>ASTM A475</b>	Certification		QPL-72			
		Number of Wires <b>ASTM A475</b>						
		Weight <b>ASTM A475</b>						
		Breaking Strength <b>ASTM A475</b>						
		Elongation <b>ASTM A475</b>						
		Galvanization <b>ASTM A475</b>						
		Ductility <b>ASTM A475</b>						
	Steel Poles	Charpy <b>ASTM E23</b>	Certification		QPL-52 & pre-inspected by Office of Materials			

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Thickness			& GDT stamped			
		Yield Strength <i>ASTM A370</i>						
		Tensile Strength <i>ASTM A370</i>						
		Elongation <i>ASTM A370</i>						
		Reduction of Area <i>ASTM A370</i>						
		Hardness <i>ASTM A370</i>						
		Chemical <i>ASTM A709</i>						
		Certification						
	Concrete Poles		Certification		QPL-9, Plant Shipping Report (OMR-122) & embedded I.D. Plate			
<u>Concrete</u>								
		Compressive Strength <i>T22</i>	DOT-319					
Portland Cement		Air Content <i>T137</i>	DOT-175					
		Fineness <i>M85</i>						
		Autoclave <i>M85</i>						
		Compressive Strength <i>M85</i>						
		Vicat <i>T131</i>						
		Chemical <i>M85</i>						
Portland Pozzolan Cement		Air Content <i>T137</i>	DOT-175					
		Fineness <i>M240</i>						
		Autoclave <i>A240</i>						
		Compressive Strength <i>M240</i>						
		Vicat <i>T131</i>						
		Chemical <i>M240</i>						
Fine Aggregate		Gradation <i>T27</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Sand Equivalent <i>GDT-63</i>						
	Coarse	Wash 200 <i>T11</i>	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Aggregate	Gradation <b>T27</b>			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Highway Signs	Certification	DOT-72		QPL-80 w/sign producers approval decal on back of sign			
	Anchor Bolts	Grade <b>M314</b>	Certification	1 bolt per diameter, per Heat Number, per Project	Pre-inspected by Office of Materials & GDT stamped.		Supplier	
		Yield Strength <b>T244</b>						
		Tensile Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Reduction of Area <b>T244</b>						
		Thread Dimensions						
		Size						
		Diameter						
		Length						
		Chemical <b>M314</b>						
		Galvanization <b>ASTM A153</b>						
<b>640</b>								
REFLECTORIZED RAILROAD CROSS BUCK SIGN	Sign	Certification	DOT-72		QPL-80 w/sign producers approval decal on back of sign			
	<b>Concrete</b>	Compressive Strength <b>T22</b>	DOT-T152					
	Portland Cement	Air Content <b>T137</b>	DOT-175					
		Fineness <b>M85</b>						
		Autoclave <b>M85</b>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						
		Chemical <b>M85</b>						
	Portland Pozzolan Cement	Air Content <b>T137</b>	DOT-175					
		Fineness <b>M240</b>						
		Autoclave <b>M240</b>						
		Compressive Strength <b>M240</b>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Fine Aggregate	Vicat <b>T131</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Source; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except from Section D, Stockpile Basis Sources.; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Chemical <b>M240</b>						
		Gradation <b>T27</b>						
		Sand Equivalent <b>GDT-63</b>						
	Coarse Aggregate	Wash 200 <b>T11</b>	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Source; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except from Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Gradation <b>T27</b>						
641								
GUARD RAIL	Steel Guard Rail	Dimensions <b>M180</b>	DOT-600		QPL-8 & Certified Mill Test Report		Stock	Determination of Zinc Coating with Thickness Gauge  Independent Assurance: sample occasionally
		Yield Strength <b>T244</b>						
		Tensile Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Chemical <b>M180</b>						
		Galvanization						
	Aluminum Guard Rail	Chemical <b>ASTM B209</b>	DOT-600		QPL-8 & Certified Mill Test Report		Stock	Independent Assurance: sample occasionally
		Thickness <b>Section 859.01.B</b>						
		Dimensions <b>Section 859.01.B</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Bend Diameter Factor <b>ASTM B209</b>						
		Hardness <b>ASTM B241</b>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Shear Strength <i>ASTM B565</i>						
	<b>Cable End Anchor Assembly</b>							
	Anchor Plates	Certification	Certification					
		Charpy <i>ASTM E23</i>	Certification		Certified Mill Test Report			
		Thickness						
		Yield Strength <i>ASTM A370</i>						
		Tensile Strength <i>ASTM A370</i>						
		Elongation <i>ASTM A370</i>						
		Reduction of Area <i>ASTM A370</i>						
		Hardness <i>ASTM A370</i>						
		Chemical <i>ASTM A709</i>						
		Certification						
	Anchor Rods	Chemical <i>ASTM A575 or ASTM A576</i>	Certification		Certified Mill Test Report			
	Anchor Cable	Diameter <i>ASTM A741</i>	Certification		Certified Mill Test Report			
		Number of Wires <i>ASTM A741</i>						
		Weight <i>ASTM A741</i>						
		Breaking Strength <i>ASTM A741</i>						
		Galvanization <i>ASTM A741</i>						
		Ductility <i>ASTM A741</i>						
		Appearance						
	Bolts & Nuts	Chemical <i>ASTM F568</i>	Certification		Certified Mill Test Report			
		Yield Strength <i>ASTM F606</i>						
		Tensile Strength <i>ASTM F606</i>						
		Elongation <i>ASTM F606</i>						
		Reduction of Area <i>ASTM F606</i>						
		Hardness <i>ASTM F606</i>						
		Length						
		Diameter						
		Thread Class						
		Galvanization <i>ASTM A153</i>						



TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Steel Posts	Charpy <b>ASTM E23</b>	DOT-600	1 Post	QPL-8 & Certified Mill Test Report		Stock	Independent Assurance: sample occasionally
		Thickness						
		Yield strength <b>ASTM A370</b>						
		Tensile Strength <b>ASTM A370</b>						
		Elongation <b>ASTM A370</b>						
		Reduction of Area <b>ASTM A370</b>						
		Hardness <b>ASTM A370</b>						
		Chemical <b>ASTM A709</b>						
		Certification						
		Galvanization <b>ASTM A123</b>						
	Concrete Posts		DOT-165		Pre-inspected by Central Lab Personnel or if manufactured on job, sampled in accordance with <b>Section 500, Concrete Pipe Headwall</b>		Project	
	Wood Posts	Retention of Preservative AWPA <b>C14</b>	Certification		QPL-50 & pre- inspected by Authorized Agency with AWW stamp in each end		Stock	Independent Assurance: sample occasionally
	Metal Caps	Certification	DOT-165		Certified Mill Test Report		Stock	Independent Assurance: sample occasionally
	Anchor Assembly	Certification	DOT-165		Certified Mill Test Report			
	Wood Offset Blocks	Retention of Preservative AWPA <b>C14</b>	Certification		QPL-50, pre- inspected by Authorized Agency & AWW stamped		Stock	Independent Assurance: sample occasionally
	Steel Offset Blocks	Certification	DOT-600		QPL-8 & Certified Mill Test Report			
	Bolts, Nuts & Washers	Certification	Certification		Certified Mill Test Report		Stock	
	Galvanized Repair Compound	Certification	Certification	1 qt.	Approved by Office of Materials			

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
<b>643</b>								
FENCE	Chain Link Fence Fabric	Specification Requirements <b>ASTM A392 or ASTM A491</b>	Certification	1 ft x height of fence. One sample per 50 rolls*, per Project	Pre-inspected by Office of Materials & GDT tagged		Supplier	*Material not pretested: Engineer should contact Inspection Services Branch of Office of Materials prior to use
		Height						
		Diamond Count						
		Mesh Size						
		Wire Diameter						
		Breaking Strength <b>ASTM A817</b>						
		Coating <b>ASTM A817</b>						
	Chain Link Fence Posts	Specification Requirements <b>ASTM F669</b>	Certification	1ft or 1 pc. for accessories. One sample per 500 posts, per project	Pre-inspected by Office of Materials & GDT stamped		Supplier	Independent Assurance: sample occasionally
		Dimensions						
		Yield Strength <b>ASTM A702</b>						
		Tensile Strength <b>ASTM A702</b>						
		Weight						
		Hardness <b>ASTM A702</b>						
		Galvanization <b>ASTM A123</b>						
	Barbed Wire	Specification Requirements <b>ASTM A121 or ASTM A585</b>	Certification	3 ft., One sample per 50 rolls, per project	Pre-inspected by Office of Materials & GDT tagged		Supplier	
		Diameter						
		Number of Points <b>ASTM A121</b>						
		Shape & Spacing of Barbs <b>ASTM A121</b>						
		Breaking Strength <b>ASTM A121</b>						
		Coating <b>ASTM A121 or ASTM A585</b>						
	Concrete	Air Content <b>GDT-26 or GDT-32</b> Slump <b>GDT-27</b> Mix Temperature <b>GDT-122</b>	DOT-319	See NOTE			During placement operations	
		<b>NOTE:</b> Acceptance of Concrete for these items is based upon results of Slup & Air Tests & the properly documented DOT-319. No cylinders are required. Slump, Air & Mix Temp. tests are performed as judged necessary to insure adequate control.						
	Portland Cement	Air Content <b>T137</b>	DOT-175		QPL-3			
		Fineness <b>M85</b>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Autoclave <b>M85</b>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						
		Chemical <b>M85</b>						
	Portland Pozzolan Cement	Air Content <b>T137</b>	DOT-175		QPL-3			
		Fineness <b>M240</b>						
		Autoclave <b>M240</b>						
		Compressive Strength <b>M240</b>						
		Vicat <b>T131</b>						
		Chemical <b>M240</b>						
	Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; materil from Section D must b sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Sand Equivalent <b>GDT-63</b>						
	Coarse Aggregate	Wash 200 <b>T11</b>	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Gradation <b>T27</b>						
	Woven Wire Fence Fabric	Height	Certification		Certified Mill Test Report		Stock	
		Vertical & Horizontal Spacing						
		Diameter						
		Number of Wires						
		Breaking Strength <b>ASTM A116</b>						
		Coating <b>ASTM A116 or ASTM A584</b>						
	Steel Posts & Bracing	Specification Requirements <b>ASTM F669</b>	Certification		Certified Mill Test Report		Stock	

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS	
					ACCEPTANCE	QUALITY ASSURANCE			
	Wood Fence Posts	Dimensions	Certification		QPL-50 & pre-inspected by Authorized Agency with an AWW stamp in each end			Independent Assurance: sample occasionally	
		Preservative Treatment							
		Certification							
	Metal Caps	Specification Requirements <i>ASTM A93</i>	Certification		Certified Mill Test Report		Stock	Independent Assurance: sample occasionally	
		Thickness							
		Galvanization <i>ASTM A525</i>							
	Ground Rods	Diameter	Certification		Certified Mill Test Report				
		Length							
		Galvanization <i>ASTM A153</i>							
	645								
REPAIR OF GALVANIZED COATINGS	Galvanized Repair Compound	Certification	Certification	1 qt.	Approved by Office of Materials				
647									
TRAFFIC SIGNAL INSTALLATIONS	As Specified	<i>As Specified</i>	Certification		Pre-approved Catalog Cuts on all Materials				
648									
TRAFFIC IMPACT ATTENUATOR	Attenuator	Certification	Certification		QPL-64				
	Miscellaneous Items	Certification	Certification						
	Concrete	Compressive Strength <i>GDT-35 &amp; T22</i>	DOT-319	2 cylinders	See <b>NOTE 1</b>		During placement operations	Cylinders to be broken in Branch or Central Lab	
		<b>NOTE 1:</b> One set per each 50 yd <sup>3</sup> of each Class of Concrete placed daily for each structure, except for Concrete used in Bridge Curb, Handrail or Wall Coping. Two Concrete cylinders shall be fabricated for each cumulative 50 yd <sup>3</sup> or fraction thereof, of Concrete placed per week in each structure. Cylinders shall not be fabricated at one structure to represent Concrete placed in another structure.							
		Air Content <i>GDT-26 or GDT-32</i>	DOT-319	See <b>NOTE 2</b>	When cylinders are made		During placement operations	Additional Slump tests will be required when Water is added on Project	
		Slump <i>GDT-27</i>							
		Mix Temperature <i>GDT-122</i>							
		<b>NOTE 2:</b> Air, Slump & Mix Temperature tests are all required when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least every third load on bridge deck placement.							
	Sand	Gradation <i>T27</i>			One per Project		Stock		
	649								
CONCRETE	Concrete								

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
GLARE SCREEN		Compressive Strength <b>GDT-35 &amp; T22</b>	DOT-319	2 cylinders	See <b>NOTE 1</b>		During placement operations	Cylinders to be tested in Branch or Central Lab
		<b>NOTE 1:</b> One set per each 75 yd <sup>3</sup> , for fraction thereof, placed daily, except for Concrete Barrier placed with slip form equipment. Two cylinders shall be fabricated for each 150 yd <sup>3</sup> , or fraction thereof, placed daily.						
		Air <b>GDT-26 or GDT-32</b>		See <b>NOTE 2</b>			During placement operations	
		Slump <b>GDT-27</b>						
		Mix Temperature <b>GDT-122</b>						
		<b>NOTE 2:</b> Air, Slump & Mix Temperature tests are required when cylinders are made & as judged necessary to insure adequate control.						
	Portland Cement	Air Content <b>T137</b>	DOT-175		QPL-3			
		Fineness <b>M85</b>						
		Autoclave <b>M85</b>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						
		Chemical <b>M85</b>						
	Portland Pozzolan Cement	Air Content <b>T137</b>	DOT-175					
		Fineness <b>M240</b>						
		Autoclave <b>M240</b>						
		Compressive Strength <b>M240</b>						
		Vicat <b>T131</b>						
		Chemical <b>M240</b>						
	Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must b sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Sand Equivalent <b>GDT-63</b>						
	Coarse Aggregate	Wash 200 <b>T11</b>	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must b sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Gradation <b>T27</b>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
650								
IMPACT ATTENUATOR UNITS (Compression Crash Cushion)	Steel Attenuator	Certification	Certification		QPL-64			
	<b>Concrete Base</b>							
	Portland Cement	Air Content <b>T137</b>	DOT-175	10 lbs.	QPL-3	One per Quarter, per Source, per District	Stock	
		Fineness <b>M85</b>						
		Autoclave <b>M85</b>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						
		Chemical <b>M85</b>						
	Portland Pozzolan Cement	Air Content <b>T137</b>	DOT-175					
		Fineness <b>M240</b>						
		Autoclave <b>M240</b>						
		Compressive Strength <b>M240</b>						
		Vicat <b>T131</b>						
		Chemical <b>M240</b>						
	Fly Ash	Physical & Chemical <b>ASTM C311</b>	DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District	Stock	
		Fineness <b>M295</b>						
		Activity <b>M295</b>						
		Soundness <b>M295</b>						
		Density <b>M295</b>						
		Chemical <b>M295</b>						
	Slag	Fineness <b>M302</b>	DOT-175	10 lbs.	QPL-30	One per Quarter, per Source, per District	Stock	
		Activity <b>M302</b>						
		Soundness <b>M302</b>						
		Density <b>M302</b>						
		Chemical <b>M302</b>						
	Coarse Aggregate	Wash 200 <b>T11</b>	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.	Stock or Conveyor Belt	
		Gradation <b>T27</b>						
	Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1,	QPL-2 Sources, 1 per month, per active	Stock or Conveyor Belt	
		Sand Equivalent <b>GDT-63</b>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Wash 200 <b>T11</b>			except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Water	Quality of Water to be Used in Concrete <b>T26</b>	<b>DOT-088</b>	1 qt.*	One per unpotable Source, per month		Enough in advance so that results are known before use	*non-metal container
	Air Entrainment Admixtures	Air-Entraining Admixtures for Concrete <b>M154</b>	<b>Certification</b>	1 qt.	QPL-13	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Chemical Admixtures	Chemical Admixtures for Concrete <b>M194</b>	<b>Certification</b>	1 qt.	QPL-14	One per 6 months, per Source, per District	Ready Mix Plant Stock	
	Deck Oil		<b>Certification</b>	1 qt.	QPL-23	None	Stock	
	Steel Bars for Reinforcement	Number <b>M31M</b>	DOT-166	1 pc @ 24" per size	QPL-12 & QPL-61 w/Certified Mill Test Reports.	Random sampling at Fabricator	Supplier,Fabricator or Jobsite storage	
		Weight <b>M31M</b>						
		Dimensions <b>M31M</b>						
		Deformation Spacing <b>M31M</b>						
		Height & Gap <b>M31M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Bend Test <b>T285</b>						
		Chemical <b>M31M</b>						
	Steel Wire for Reinforcement	Size <b>M32M</b>	Certification	1 pc @ 24" per size/dia	Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Diameter <b>M32M</b>						
		Area <b>M32M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Area Reduction <b>T244</b>						
		Bend Test <b>M32M</b>						
	Welded Steel Wire Fabric for Reinforcement	Size <b>M55M</b>	Certification	2' X 2'	QPL-55 w/Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Diameter <b>M55M</b>						
		Area <b>M55M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS	
					ACCEPTANCE	QUALITY ASSURANCE			
		Area Reduction <b>T244</b>							
		Bend Test <b>M55M</b>							
		Weld Shear Strength <b>M55M</b>							
		Width <b>M55M</b>							
		Length <b>M55M</b>							
		Spacing <b>M55M</b>							
651									
RAISED TRAFFIC BARS	Epoxy Adhesive	Pot Life <b>GDT-58</b>	Certification	1 kit	QPL-15 or 1 sample per batch, per Type		Stock		
		Elongation <b>GDT-58</b>							
		Bond Strength <b>GDT-58</b>							
		Hardness <b>ASTM D2240</b>							
		Sag Test <b>T237</b>							
		Wet Bond Test <b>T237</b>							
	Concrete	Compressive Strength <b>GDT-35 &amp; T22</b>	DOT-319	2 cylinders	See <b>NOTE 1</b>		During placement operations	Cylinders to be broken in Branch or Central Lab	
		<b>NOTE 1:</b> One set per each 50 yd <sup>3</sup> of each Class of Concrete placed daily.							
		Air Content <b>GDT-26 or GDT-32</b>	DOT-319	See <b>NOTE 2</b>	When cylinders are made		During placement operations	Additional Slump test will be required when Water is added on Project	
		Slump <b>GDT-27</b>							
		Mix Temperature <b>GDT-122</b>							
		<b>NOTE 2:</b> Air, Slump & Mix Temperature tests are all required when cylinders are made & as judged necessary to insure adequate controls. Additional tests are recommended at least every third load on bridge deck placement.							
		Portland Cement	Air Content <b>T137</b>	DOT-175		QPL-3			
	Fineness <b>M85</b>								
	Autoclave <b>M85</b>								
	Compressive Strength <b>M85</b>								
	Vicat <b>T131</b>								
	Chemical <b>M85</b>								
	Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.			
		Sand Equivalent <b>GDT-63</b>							
	Coarse	Wash 200 <b>T11</b>	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1			



TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Aggregate	Gradation <b>T27</b>			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
652								
PAINTING TRAFFIC STRIPE	Paint	Pigment <b>ASTM D2371</b>	Certification	2 pints per batch	QPL-46 & pre- inspected by Office of Materials & GDT stamped		Supplier	
		Non-Volatile Vehicle						
		Grind						
		Viscosity <b>ASTM D562</b>						
		Dry Time <b>ASTM D711</b>						
		Percent Volatile						
		Weight per Gallon <b>ASTM D1475</b>						
		Color						
		Certification						
	Glass Beads	Gradation <b>ASTM D1214</b>	Certification		QPL-71		Stock	
		Roundness <b>ASTM D1155</b>						
		Refractive Index <b>M247</b>						
		Flow <b>M247</b>						
		Visual						
	Post Installation Inspection	SOP 39	Certified Test Report OMR- CVP-66		Contractor performs testing. Submits results on OMR- CVP-66			
653								
THEMOPLASTIC TRAFFIC STRIPE	Thermoplastic	Softening Point <b>ASTM D36</b>	Certification		QPL-46 & CTT stamped		Jobsite	
		Color Retention <b>ASTM D620</b>						
		Indentation Resistance <b>ASTM D2240</b>						
		Water Absorption <b>ASTM D570</b>						
		Binder <b>ASTM D4797</b>						
		Abrasion Resistance						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS	
					ACCEPTANCE	QUALITY ASSURANCE			
		Color							
		Reheating							
		Percent Glass Beads							
	Glass Beads	Gradation <b>ASTM D1214</b>	Certification	1 bag per 10,000 lbs., split for a one gal. composite sample	QPL 71		Stock		
		Roundness <b>ASTM D1155</b>							
		Refractive Index <b>M247</b>							
		Flow <b>M247</b>							
		Visual							
	Post Installation Inspection	SOP 39	Certified Test Report OMR- CVP-66		Contractor performs testing. Submits results on OMR- CVP-66				
	654								
	RAISED PAVEMENT MARKERS	Raised Pavement Markers	Specific Intensity <b>ASTM D4280</b>	Certification	50 ea.	QPL-76		Stock	
Compressive Strength <b>ASTM D4280</b>									
Color									
Epoxy Resin Adhesive		Pot Life <b>GDT-58</b>	Certification	1 kit	QPL-15 or 1 sample per batch, per Type		Stock		
		Elongation <b>GDT-58</b>							
		Bond Strength <b>GDT-58</b>							
		Hardness <b>ASTM D2240</b>							
		Sag Test <b>T237</b>							
		Wet Bond Test <b>T237</b>							
Bituminous Adhesive		Softening Point <b>T53</b>	Certification		Certified Mill Test Report		Stock		
		Penetration <b>T49</b>							
		Flow <b>ASTM D3407</b>							
		Flash Point <b>T48</b>							
		Viscosity <b>ASTM D2669 &amp; T202</b>							
		Filler Content							
		Filler Fineness <b>ASTM C430</b>							
655									
PAVEMENT ARROW WITH RAISED REFLECTORS	Paint	Pigment <b>ASTM D2371</b>	Certification	2 pints per batch number	QPL-46 & pre-inspected by Office of Materials & GDT stamped				
		Non-Volatile Vehicle							
		Grind							
		Viscosity <b>ASTM D562</b>							
		Dry Time <b>ASTM D711</b>							
		Percent Volatile							
		Weight per Gallon <b>ASTM D1475</b>							

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Epoxy Resin Adhesive	Color	Certification	1 kit	QPL-15 <u>or</u> 1 sample per batch, per Type		Stock	
		Certification						
		Pot Life <b>GDT-58</b>						
		Elongation <b>GDT-58</b>						
		Bond Strength <b>GDT-58</b>						
		Hardness <b>ASTM D2240</b>						
		Sag Test <b>T237</b>						
		Wet Bond Test <b>T237</b>						
	Glass Beads	Gradation <b>ASTM D1214</b>	Certification	1 bag per 10,000 lbs., split for a one gal. composite sample	QPL-71			
		Roundness <b>ASTM D1155</b>						
		Refractive Index <b>M247</b>						
		Flow <b>M247</b>						
		Visual						
	Thermoplastic	Softening Point <b>ASTM D36</b>	Certification		QPL-46 & CTT stamped		Jobsite	
		Color Retention <b>ASTM D620</b>						
		Indentation Resistance <b>ASTM D2240</b>						
		Water Absorption <b>ASTM D570</b>						
		Binder <b>ASTM D4797</b>						
		Abrasion Resistance						
		Color						
		Reheating						
		Percent Glass Beads						
	Raised Pavement Markers	Specific Intensity <b>ASTM D4280</b>	Certification		QPL-76			
		Compressive Strength <b>ASTM D4280</b>						
		Color						
	Bituminous Adhesive	Softening Point <b>T53</b>	Certification		Certified Mill Test Report		Stock	
		Penetration <b>T49</b>						
		Flow <b>ASTM D3407</b>						
		Flash Point <b>T48</b>						
		Viscosity <b>ASTM D2669 &amp; T202</b>						
		Filler Content						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		<i>Filler Fineness</i> <b>ASTM C430</b>						
<b>657</b>								
PREFORMED PLASTIC PAVEMENT MARKINGS	Marking Material	Pigment <b>ASTM E303</b>	Certification		QPL-74			
		Refractive Index <b>ASTM D4592</b>						
		Thickness <b>ASTM D4592</b>						
		Reflective Intensity <b>ASTM D4601</b>						
		Color						
	Post Installation Inspection	SOP 39	Certified Test Report OMR- CVP-66		Contractor performs testing. Submits results on OMR- CVP-66			
<b>658</b>								
Standard and Wet Weather Polyurea Traffic Stripe	Polyurea	Physical Properties <b>Section 658</b>	Certification		QPL-46			
	Glass Beads	Physical Properties <b>M247</b>	Certification		QPL-71			
	Post Installation Inspection	SOP 39	Certified Test Report OMR- CVP-66		Contractor performs testing. Submits results on OMR- CVP-66			
<b>660</b>								
SANITARY SEWERS	Backfill	Gradation <b>T27</b>	DOT-658	45 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	As required by Project Engineer		
	Portland Cement	Air Content <b>T137</b>	DOT-175	10 lbs.	QPL-3	One per Quarter, per Source, per District	Stock	
		Fineness <b>M85</b>						
		Autoclave <b>M85</b>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						
		Chemical <b>M85</b>						
	Fine Aggregate for Mortar	Gradation <b>T27</b>	DOT-658	20 lbs.	QPL-1			
	Sewer Joint Sealing Compound	Specification Requirements <b>Federal Specifications SS-S-169</b>	Certification	1 qt.	QPL-21 <u>or</u> 1 per lot, per shipment			

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Rubber Gaskets	Tensile Strength <i>ASTM D412</i>	Certification	1 of ea. Type	QPL-21 & Certified Mill Test Report		Stock	
		Elongation <i>ASTM D412</i>						
		Hardness <i>ASTM D2240</i>						
		Tear Strength <i>ASTM D624</i>						
		Compression Set <i>ASTM D395</i>						
		Water Absorption <i>ASTM D471</i>						
		Color						
	Resilient Clay Joints & Jute Heap		Certification		Accepted based on Project inspection			
<b>Reinforced Concrete Pipe</b>								
		<i>M170</i>	DOT-164A		QPL-4 & CPT stamp			
Portland Cement		Air Content <i>T137</i>	DOT-175					
		Fineness <i>M85</i>						
		Autoclave <i>M85</i>						
		Compressive Strength <i>M85</i>						
		Vicat <i>T131</i>						
		Chemical <i>M85</i>						
Fly Ash		Fineness <i>M295</i>	DOT-175		QPL-30			
		Activity <i>M295</i>						
		Soundness <i>M295</i>						
		Density <i>M295</i>						
		Chemical <i>M295</i>						
Fine Aggregate		Gradation <i>T27</i>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Sand Equivalent <i>GDT-63</i>						
Coarse		Wash 200 <i>T11</i>	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1		

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Aggregate	Gradation <b>T27</b>			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Steel Wire for Reinforcement	Size <b>M32M</b>	Certification	1 pc @ 24" per size/dia	Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Diameter <b>M32M</b>						
		Area <b>M32M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Area Reduction <b>T244</b>						
		Bend Test <b>M32M</b>						
	Welded Steel Wire Fabric for Reinforcement	Size <b>M55M</b>	Certification	2' X 2'	QPL-55 w/Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Diameter <b>M55M</b>						
		Area <b>M55M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Area Reduction <b>T244</b>						
		Bend Test <b>M55M</b>						
		Weld Shear Strength <b>M55M</b>						
		Width <b>M55M</b>						
		Length <b>M55M</b>						
		Spacing <b>M55M</b>						
	Cylinders	Compressive Strength	DOT-319					
	Physical Properties	Diameter <b>M170</b>						
		Thickness <b>M170</b>						
		Reinforcement Design <b>M170</b>						
		External Load Strength <b>T280</b>						
	<b>Non-Reinforced Concrete Pipe</b>							
		<b>M86</b>	DOT-164A		QPL-4 & CPT stamped			
	Portland Cement	Air Content <b>T137</b>	DOT-175					
		Fineness <b>M85</b>						
		Autoclave <b>M85</b>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Fly Ash	Chemical <b>M85</b>	DOT-175		QPL-30			
		Fineness <b>M295</b>						
		Activity <b>M295</b>						
		Soundness <b>M295</b>						
		Density <b>M295</b>						
		Chemical <b>M295</b>						
	Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Sand Equivalent <b>GDT-63</b>						
	Coarse Aggregate	Wash 200 <b>T11</b>	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Gradation <b>T27</b>						
	Physical Properties	Diameter <b>M86</b>						
		Thickness <b>M86</b>						
		External Load Strength <b>T280</b>						
		Absorption <b>M86</b>						
		Permeability <b>M86</b>						
	Cast Iron Pipe	Transverse Bend Test <b>ASTM A438</b>	Certification		Certified Mill Test Report			
		Tensile Strength <b>ASTM E8</b>						
		Dimensions						
		Coating						
	Clay Pipe	Bearing Strength <b>ASTM C700</b>	Certification		Certified Mill Test Report			
		Absorption <b>ASTM C700</b>						
		Dimensions						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS	
					ACCEPTANCE	QUALITY ASSURANCE			
		Glaze <b><i>ASTM C700</i></b>							
		Blisters <b><i>ASTM C700</i></b>							
		Cracks <b><i>ASTM C700</i></b>							
		Perforations <b><i>ASTM C700</i></b>							
		Fittings <b><i>ASTM C700</i></b>							
	<b><u>PVC Sewer Pipe</u></b>								
		Dimensions	Certification		Certified Mill Test Report				
		Flattening <b><i>ASTM D3034</i></b>							
		Impact Strength <b><i>ASTM D3034</i></b>							
		Stiffness <b><i>ASTM D3034</i></b>							
		Joint Tightness <b><i>ASTM D3212</i></b>							
		Fittings <b><i>ASTM D3034</i></b>							
		Certification							
	Elastomeric Seals	Tensile Strength <b><i>ASTM D412</i></b>	Certification		Certified Mill Test Report				
		Elongation <b><i>ASTM D412</i></b>							
		Hardness <b><i>ASTM D2240</i></b>							
		Compression Set <b><i>ASTM D395</i></b>							
		Stress Relaxation <b><i>ASTM F913</i></b>							
	Steel Pipe	Chemical <b><i>ASTM A53</i></b>	Certification		Certified Mill Test Report				
		Yield Strength <b><i>T244</i></b>							
		Tensile Strength <b><i>T244</i></b>							
		Elongation <b><i>T244</i></b>							
		Bending <b><i>ASTM A53</i></b>							
		Flattening <b><i>ASTM A53</i></b>							
		Non-Destructive Electric Test <b><i>ASTM A53</i></b>							
		Weight							
		Diameter							
		Thickness							
		Finish							
		Appearance							
		Plastic Truss Pipe		Dimensions		DOT-164a Certification		Certified Mill Test Report	
	Stiffness <b><i>ASTM D2680</i></b>								
	Deflection <b><i>ASTM D2680</i></b>								



TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS	
					ACCEPTANCE	QUALITY ASSURANCE			
		Joints & Fittings <b>ASTM D2680</b>							
	Ductile Iron Pipe	Certification	Certification		Certified Mill Test Report				
	Bolted Couplings	Dimensions	Certification		Certified Mill Test Report				
		Certification							
	Cement Mortar Lining	Certification	Certification						
Coal-Tar Enamel Lining	Certification	Certification							
668									
MISC DRAINAGE STRUCTURES		Air Content <b>GDT-26 or GDT-32</b>	DOT-319	See <b>NOTE</b>			During placement operations	Additional Slump test will be required when Water is added on Project	
		Slump <b>GDT-27</b>							
		Mix Temperature <b>GDT-122</b>							
	<b>NOTE:</b> Acceptance of Concrete for these items is based upon results of Slump & Air tests & properly documented DOT-319. No cylinders are required. Air, Slump & Mix Temperature tests are as judged necessary to insure adequate controls.								
	Portland Cement	Air Content <b>T137</b>	DOT-175		QPL-30				
		Fineness <b>M85</b>							
		Autoclave <b>M85</b>							
		Compressive Strength <b>M85</b>							
		Vicat <b>T131</b>							
		Chemical <b>M85</b>							
	Fine Aggregate	Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.			
		Sand Equivalent <b>GDT-63</b>							
	Coarse	Wash 200 <b>T11</b>	DOT-658	35 lbs.	One per 1,500 tons	QPL-2 Sources, 1			

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TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		<b>M86</b>	DOT-164A		QPL-4 & CPT stamp			
	Portland Cement	Air Content <b>T137</b>	DOT-175					
		Fineness <b>M85</b>						
		Autoclave <b>M85</b>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						
	Fly Ash	Chemical <b>M85</b>	DOT-175					
		Fineness <b>M295</b>						
		Activity <b>M295</b>						
		Soundness <b>M295</b>						
	Fine Aggregate	Density <b>M295</b>	DOT-175					
		Chemical <b>M295</b>						
		Gradation <b>T27</b>						
		Sand Equivalent <b>GDT-63</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Coarse Aggregate	Wash 200 <b>T11</b>	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Gradation <b>T27</b>						
	Physical Properties	Diameter <b>M86</b>	OMR-INSP-86 Certification					
		Thickness <b>M86</b>						
		External Load Strength <b>T280</b>						
		Absorption <b>M86</b>						
		Permeability						
	Welded Steel Wire Fabric for	Size <b>M55M</b>	Certification	2' X 2'	QPL-55 w/Certified Mill Test Report	Random sampling	Jobsite storage and/or producer stock	
		Diameter <b>M55M</b>						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS	
					ACCEPTANCE	QUALITY ASSURANCE			
	Reinforcement	Area <i>M55M</i>							
		Tensile Strength <i>T244</i>							
		Yield Strength <i>T244</i>							
		Area Reduction <i>T244</i>							
		Bend Test <i>M55M</i>							
		Weld Shear Strength <i>M55M</i>							
		Width <i>M55M</i>							
		Length <i>M55M</i>							
		Spacing <i>M55M</i>							
		670							
WATER DISTRIBUTION SYSTEM	Cast Iron Pipe	Transverse Bend Test <i>ASTM A438</i>	Certification		Certified Mill Test Report				
		Tensile Strength <i>ASTM E8</i>							
		Dimensions							
		Coating							
	Ductile Iron Pipe	Certification	Certification		Certified Mill Test Report				
	Rubber Gaskets	Tensile Strength <i>ASTM D412</i>	Certification		Certified Mill Test Report				
		Elongation <i>ASTM D412</i>							
		Hardness <i>ASTM D2240</i>							
		Tear Strength <i>ASTM D624</i>							
		Compression Set <i>ASTM D395</i>							
		Water Absorption <i>ASTM D471</i>							
		Color							
	Gate Valves & Fire Hydrants	General Requirements <i>Section 670.02</i>	Certification		Certified Mill Test Report				
		Certification							
	<b>Concrete Block</b>								
	Portland Cement	Air Content <i>T137</i>	DOT-175						
		Fineness <i>M85</i>							
		Autoclave <i>M85</i>							
		Compressive Strength <i>M85</i>							
		Vicat <i>T131</i>							
		Chemical <i>M85</i>							
	Fly Ash	Fineness <i>M295</i>	DOT-175						
		Activity <i>M295</i>							

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Fine Aggregate	Soundness <b>M295</b>						
		Density <b>M295</b>						
		Chemical <b>M295</b>						
		Gradation <b>T27</b>	DOT-658	20 lbs.	One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Sand Equivalent <b>GDT-63</b>						
	Coarse Aggregate	Wash 200 <b>T11</b>	DOT-658	35 lbs.	One per 1,500 tons based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-2 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Gradation <b>T27</b>						
	Copper Pipe	Dimensions	Certification		Certified Mill Test Report			
		Weight <b>ASTM B88</b>						
		Hardness <b>ASTM B88</b>						
		Tensile Strength <b>ASTM B88</b>						
	Galvanized Steel Pipe	Chemical <b>ASTM A53</b>	Certification		Certified Mill Test Report			
		Yield Strength <b>T244</b>						
		Tensile Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Bending <b>ASTM A53</b>						
		Flattening <b>ASTM A53</b>						
		Non-Destructive Electric Test <b>ASTM A53</b>						
		Weight						
		Diameter						
		Thickness						
		Finish						

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Appearance						
		Galvanization <i><b>ASTM A123</b></i>						
	Plastic Pipe	Dimensions <i><b>ASTM D2239</b></i>	Certification		Certified Mill Test Report			
		Bond <i><b>ASTM D2239</b></i>						
		Certification						
	Appurtenances	Tensile Strength <i><b>ASTM B62</b></i>	Certification		Certified Mill Test Report			
		Yield Strength <i><b>ASTM B62</b></i>						
		Elongation <i><b>ASTM B62</b></i>						
	PVC Pipe	Dimensions <i><b>ASTM D2241</b></i>	Certification		Certified Mill Test Report			
		Flattening <i><b>ASTM D2241</b></i>						
		Impact Resistance <i><b>ASTM D2241</b></i>						
	Butterfly Valves	General Requirements <i><b>Section 670.02</b></i>	Certification					
Certification								
676								
APPURTENANCE FOR WATER SYSTEMS	Plumbing		Certification		Certified Mill Test Report			
	Drinking Fountain & Yard Hydrants	Certification	Certification		Approved by the applicable Design Office			
680								
HIGHWAY LIGHTING	Standards & Towers	Taper <i><b>Section 920</b></i>	Certification		QPL-52 & pre- inspected by Office of Materials & GDT stamped			
		Galvanization <i><b>ASTM A123</b></i>						
		Weld						
		Certification						
	Luminaries	Certification	Certification		Approved Catalog Cuts			
	Circuit Breakers	Certification	Certification		Approved Catalog Cuts			
	Electrical Cable	Certification	Certification		Approved Catalog Cuts			
	Duct	Certification	Certification	Galvanized Rigid: 1 ft sections per diameter PVC: 10 pcs., 1 ft in length	QPL-5			

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Anchor Bolts	Grade <b>M314</b>	Certification	1 bolt per diameter, per Heat number, per Project	Pre-inspected by Office of Materials & GDT stamped		Supplier,Fabricator or Jobsite storage	
		Yield Strength <b>T244</b>						
		Tensile Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Reduction of Area <b>T244</b>						
		Thread Dimensions						
		Size						
		Diameter						
		Length						
		Chemical <b>M314</b>						
		Galvanization <b>ASTM A153</b>						
	Concrete	Air Content <b>GDT-26 or GDT-32</b>	DOT-319	See <b>NOTE</b>			During placement operations	Additional Slump test will be required when Water is added on Project
		Slump <b>GDT-27</b>						
		Mix Temperature <b>GDT-122</b>						
		<b>NOTE:</b> Acceptance of Concrete for these items is based upon results of Slump & Air tests & properly documented DOT-319. No cylinders are required. Air, Slump & Mix Temperature tests are performed as judged necessary to insure adequate controls.						
	Portland Cement	Air Content <b>T137</b>	DOT-175		QPL-3			
		Fineness <b>M85</b>						
		Autoclave <b>M85</b>						
		Compressive Strength <b>M85</b>						
		Vicat <b>T131</b>						
		Chemical <b>M85</b>						
	Fly Ash	Fineness <b>M295</b>	DOT-175		QPL-30			
		Activity <b>M295</b>						
		Soundness <b>M295</b>						
		Density <b>M295</b>						
		Chemical <b>M295</b>						
	Fine Aggregate	Gradation <b>T27</b>	DOT-658		One per 500 tons based upon QPL-1, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	QPL-1 Sources, 1 per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
		Sand Equivalent <b>GDT-63</b>						
	Coarse	Wash 200 <b>T11</b>	DOT-658		One per 1,500 tons	QPL-2 Sources, 1		

TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
	Aggregate	Gradation <b>T27</b>			based upon QPL-2, except for Section D, Stockpile Basis Sources; material from Section D must be sampled.	per month, per active plant, except for Section D, Stockpile Basis Sources; GDOT will perform acceptance tests on materials delivered from Section D Sources.		
	Steel Bars for Reinforcement	Number <b>M31M</b>	DOT-166	1 pc @ 24" per size	QPL-12 & QPL-61 w/Certified Mill Test Reports.	Random sampling at Fabricator	Supplier,Fabricator or Jobsite storage	
		Weight <b>M31M</b>						
		Dimensions <b>M31M</b>						
		Deformation Spacing <b>M31M</b>						
		Height & Gap <b>M31M</b>						
		Tensile Strength <b>T244</b>						
		Yield Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Bend Test <b>T285</b>						
		Chemical <b>M31M</b>						
	Paint	Pigment <b>ASTM D2371</b>	Certification	1 qt.	Certified Mill Test Report			
		Non-Volatile Vehicle						
		Grind						
		Viscosity <b>ASTM D562</b>						
		Dry Time <b>ASTM D711</b>						
		Percent Volatile						
		Weight per Gallon <b>ASTM D1475</b>						
		Color						
		Certification						
	Gray Iron Castings	Dimensions <b>As Specified</b>	Certification		QPL-11 & Certified Casting Technician (CCT) stamped			
		Tensile Strength <b>M105</b>						
		Breaking Load <b>M105</b>						
	Steel Pipe	Chemical <b>ASTM A53</b>	Certification		Certified Mill Test Report			
		Yield Strength <b>T244</b>						
		Tensile Strength <b>T244</b>						
		Elongation <b>T244</b>						
		Bending <b>ASTM A53</b>						
		Flattening <b>ASTM A53</b>						
		NDE Test <b>ASTM A53</b>						
		Weight						



TYPE CONSTRUCTION	MATERIAL	TEST PROCEDURES Name & <i>Number</i>	REPORT <b>SM</b> Report	SIZE OF SAMPLE	GUIDE FREQUENCY		LOCATION OR TIME OF SAMPLING	REMARKS
					ACCEPTANCE	QUALITY ASSURANCE		
		Diameter						
		Thickness						
		Finish						
		Appearance						
	Steel Conduit	Galvanization <i>ASTM A90</i>	Certification	1 ft	QPL-5			
682								
ELECTRICAL CABLE & CONDUIT	Electrical Wire & Cable	Certification	Certification		Accepted by Approved Catalog Cut			
	Steel Conduit	Galvanization <i>ASTM A90</i>	Certification	1 ft	QPL-5			